

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-334K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 330 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 4.6 MHz                         |                             |
| DCR            | 1.15 $\Omega$                   |                             |
| Max Current    | 490 mA                          |                             |
| Inc Current    | 580 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-225K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 2200 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 1.5 MHz                                   |                             |
| DCR             | 7.8 $\Omega$                              |                             |
| Max Current     | 190 mA                                    |                             |
| Inc Current     | 230 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-184K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 180 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 6.5 MHz                                   |                             |
| DCR             | 0.66 $\Omega$                             |                             |
| Max Current     | 650 mA                                    |                             |
| Inc Current     | 780 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-273K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 27 $\mu$ H                                |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 18 MHz                                    |             |
| DCR             | 0.15 $\Omega$                             |             |
| Max Current     | 1365 mA                                   |             |
| Inc Current     | 2040 mA                                   |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-223K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 22 $\mu$ H                                |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 19 MHz                                    |             |
| DCR             | 0.13 $\Omega$                             |             |
| Max Current     | 1465 mA                                   |             |
| Inc Current     | 2240 mA                                   |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-274K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 270 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 5.2 MHz                                   |                             |
| DCR             | 0.87 $\Omega$                             |                             |
| Max Current     | 565 mA                                    |                             |
| Inc Current     | 640 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-185K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 1800 $\mu$ H                              |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 1.7 MHz                                   |             |
| DCR             | 6.5 $\Omega$                              |             |
| Max Current     | 205 mA                                    |             |
| Inc Current     | 250 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-224K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 220 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 5.9 MHz                                   |                             |
| DCR             | 0.8 $\Omega$                              |                             |
| Max Current     | 590 mA                                    |                             |
| Inc Current     | 720 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-183K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 18 $\mu$ H                                |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 21 MHz                                    |             |
| DCR             | 0.11 $\Omega$                             |             |
| Max Current     | 1595 mA                                   |             |
| Inc Current     | 2500 mA                                   |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-155K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 1500 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 1.9 MHz                                   |                             |
| DCR             | 6 $\Omega$                                |                             |
| Max Current     | 215 mA                                    |                             |
| Inc Current     | 270 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-154K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 150 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 7.3 MHz                                   |                             |
| DCR             | 0.5 $\Omega$                              |                             |
| Max Current     | 740 mA                                    |                             |
| Inc Current     | 860 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-125K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 1200 $\mu$ H                              |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 2.1 MHz                                   |             |
| DCR             | 4.4 $\Omega$                              |             |
| Max Current     | 250 mA                                    |             |
| Inc Current     | 300 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-124K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 120 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 8 MHz                                     |                             |
| DCR             | 0.43 $\Omega$                             |                             |
| Max Current     | 800 mA                                    |                             |
| Inc Current     | 960 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-275K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 2700 $\mu$ H                              |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 1.3 MHz                                   |             |
| DCR             | 8.7 $\Omega$                              |             |
| Max Current     | 175 mA                                    |             |
| Inc Current     | 200 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-105K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 1000 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 2.3 MHz                                   |                             |
| DCR             | 3.6 $\Omega$                              |                             |
| Max Current     | 275 mA                                    |                             |
| Inc Current     | 330 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-684K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 680 $\mu$ H                               |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 2.9 MHz                                   |             |
| DCR             | 2.2 $\Omega$                              |             |
| Max Current     | 355 mA                                    |             |
| Inc Current     | 400 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-106K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 10000 $\mu$ H                             |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 0.6 MHz                                   |                             |
| DCR             | 38 $\Omega$                               |                             |
| Max Current     | 85 mA                                     |                             |
| Inc Current     | 100 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-123K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 12 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 28 MHz                                    |                             |
| DCR             | 0.075 $\Omega$                            |                             |
| Max Current     | 1930 mA                                   |                             |
| Inc Current     | 3200 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-153K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 15 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 23 MHz                                    |                             |
| DCR             | 0.095 $\Omega$                            |                             |
| Max Current     | 1710 mA                                   |                             |
| Inc Current     | 2800 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-475K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 4700 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 1 MHz                                     |                             |
| DCR             | 17.5 $\Omega$                             |                             |
| Max Current     | 125 mA                                    |                             |
| Inc Current     | 150 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-825K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 8200 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 0.7 MHz                                   |                             |
| DCR             | 30 $\Omega$                               |                             |
| Max Current     | 95 mA                                     |                             |
| Inc Current     | 110 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-104K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 100 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 9 MHz                                     |                             |
| DCR             | 0.36 $\Omega$                             |                             |
| Max Current     | 880 mA                                    |                             |
| Inc Current     | 1040 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-184K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 180 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 6.5 MHz                         |                             |
| DCR            | 0.66 $\Omega$                   |                             |
| Max Current    | 650 mA                          |                             |
| Inc Current    | 780 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-824K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 820 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 2.6 MHz                                   |                             |
| DCR             | 2.9 $\Omega$                              |                             |
| Max Current     | 310 mA                                    |                             |
| Inc Current     | 360 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-823K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 82 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 10 MHz                                    |                             |
| DCR             | 0.33 $\Omega$                             |                             |
| Max Current     | 920 mA                                    |                             |
| Inc Current     | 1160 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-685K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 6800 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 0.8 MHz                                   |                             |
| DCR             | 26 $\Omega$                               |                             |
| Max Current     | 100 mA                                    |                             |
| Inc Current     | 130 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-683K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 68 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 11 MHz                                    |                             |
| DCR             | 0.28 $\Omega$                             |                             |
| Max Current     | 1000 mA                                   |                             |
| Inc Current     | 1260 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-565K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 5600 $\mu$ H                              |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 0.9 MHz                                   |                             |
| DCR             | 20 $\Omega$                               |                             |
| Max Current     | 115 mA                                    |                             |
| Inc Current     | 140 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-563K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 56 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 12 MHz                                    |                             |
| DCR             | 0.2 $\Omega$                              |                             |
| Max Current     | 1180 mA                                   |                             |
| Inc Current     | 1400 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-333K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 33 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 16 MHz                                    |                             |
| DCR             | 0.17 $\Omega$                             |                             |
| Max Current     | 1280 mA                                   |                             |
| Inc Current     | 1880 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-474K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 470 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 3.6 MHz                                   |                             |
| DCR             | 1.55 $\Omega$                             |                             |
| Max Current     | 425 mA                                    |                             |
| Inc Current     | 480 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-473K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 47 $\mu$ H                                |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 13 MHz                                    |             |
| DCR             | 0.19 $\Omega$                             |             |
| Max Current     | 1210 mA                                   |             |
| Inc Current     | 1500 mA                                   |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-395K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 3900 $\mu$ H                              |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 1.1 MHz                                   |             |
| DCR             | 15.5 $\Omega$                             |             |
| Max Current     | 130 mA                                    |             |
| Inc Current     | 170 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-394K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 390 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 4 MHz                                     |                             |
| DCR             | 1.4 $\Omega$                              |                             |
| Max Current     | 445 mA                                    |                             |
| Inc Current     | 540 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-393K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 39 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 14 MHz                                    |                             |
| DCR             | 0.18 $\Omega$                             |                             |
| Max Current     | 1245 mA                                   |                             |
| Inc Current     | 1680 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |             |
|-----------------|-------------------------------------------|-------------|
| Part 5142R-335K |                                           | Check Stock |
| Series          | <a href="#">5142R</a>                     |             |
| Type            | Power Inductors                           |             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |             |
| Mounting        | Surface Mount                             |             |
| Shielded        | No                                        |             |
| QPL             | No                                        |             |
| COTS            | No                                        |             |
| ROHS            | Yes                                       |             |
| MIL No.         | Not Applicable                            |             |
| Length          | 0.53 inches                               |             |
| Width           | 0.42 inches                               |             |
| Height          | 0.175 inches                              |             |
| Lead Length     |                                           |             |
| Weight          | 1.4 grams                                 |             |
| Inductance      | 3300 $\mu$ H                              |             |
| Tolerance       | $\pm$ 10                                  |             |
| Q               |                                           |             |
| SRF             | 1.2 MHz                                   |             |
| DCR             | 11.7 $\Omega$                             |             |
| Max Current     | 155 mA                                    |             |
| Inc Current     | 180 mA                                    |             |
| Inc Current %   | 10 %                                      |             |
| Ind Test Freq   | 0.1 MHz                                   |             |
| Q Test Freq     | 0.1 MHz                                   |             |
| Core            | Ferrite                                   |             |
| Sleeve          | Not Applicable                            |             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-334K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 330 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 4.6 MHz                                   |                             |
| DCR             | 1.15 $\Omega$                             |                             |
| Max Current     | 490 mA                                    |                             |
| Inc Current     | 580 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-564K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 560 $\mu$ H                               |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 3.3 MHz                                   |                             |
| DCR             | 1.9 $\Omega$                              |                             |
| Max Current     | 380 mA                                    |                             |
| Inc Current     | 440 mA                                    |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-124K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 120 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 8 MHz                           |                             |
| DCR            | 0.43 $\Omega$                   |                             |
| Max Current    | 800 mA                          |                             |
| Inc Current    | 960 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-274K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 270 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 5.2 MHz                         |                             |
| DCR            | 0.87 $\Omega$                   |                             |
| Max Current    | 565 mA                          |                             |
| Inc Current    | 640 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-225K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 2200 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.5 MHz                         |                             |
| DCR            | 7.8 $\Omega$                    |                             |
| Max Current    | 190 mA                          |                             |
| Inc Current    | 230 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-185K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 1800 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.7 MHz                         |                             |
| DCR            | 6.5 $\Omega$                    |                             |
| Max Current    | 205 mA                          |                             |
| Inc Current    | 250 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-183K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 18 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 21 MHz                          |                             |
| DCR            | 0.11 $\Omega$                   |                             |
| Max Current    | 1595 mA                         |                             |
| Inc Current    | 2500 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-155K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 1500 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.9 MHz                         |                             |
| DCR            | 6 $\Omega$                      |                             |
| Max Current    | 215 mA                          |                             |
| Inc Current    | 270 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-154K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 150 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 7.3 MHz                         |                             |
| DCR            | 0.5 $\Omega$                    |                             |
| Max Current    | 740 mA                          |                             |
| Inc Current    | 860 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-275K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 2700 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.3 MHz                         |                             |
| DCR            | 8.7 $\Omega$                    |                             |
| Max Current    | 175 mA                          |                             |
| Inc Current    | 200 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-125K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 1200 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 2.1 MHz                         |                             |
| DCR            | 4.4 $\Omega$                    |                             |
| Max Current    | 250 mA                          |                             |
| Inc Current    | 300 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-273K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 27 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 18 MHz                          |                             |
| DCR            | 0.15 $\Omega$                   |                             |
| Max Current    | 1365 mA                         |                             |
| Inc Current    | 2040 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-123K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 12 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 28 MHz                          |                             |
| DCR            | 0.075 $\Omega$                  |                             |
| Max Current    | 1930 mA                         |                             |
| Inc Current    | 3200 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-106K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 10000 $\mu$ H                   |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 0.6 MHz                         |                             |
| DCR            | 38 $\Omega$                     |                             |
| Max Current    | 85 mA                           |                             |
| Inc Current    | 100 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-105K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 1000 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 2.3 MHz                         |                             |
| DCR            | 3.6 $\Omega$                    |                             |
| Max Current    | 275 mA                          |                             |
| Inc Current    | 330 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-104K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 100 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 9 MHz                           |                             |
| DCR            | 0.36 $\Omega$                   |                             |
| Max Current    | 880 mA                          |                             |
| Inc Current    | 1040 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-103K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 10 $\mu$ H                      |                             |
| Tolerance      | $\pm$ 10                        |                             |
| Q              |                                 |                             |
| SRF            | 30 MHz                          |                             |
| DCR            | 0.07 $\Omega$                   |                             |
| Max Current    | 2000 mA                         |                             |
| Inc Current    | 3400 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-223K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 22 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 19 MHz                          |                             |
| DCR            | 0.13 $\Omega$                   |                             |
| Max Current    | 1465 mA                         |                             |
| Inc Current    | 2240 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                 |                                           |                             |
|-----------------|-------------------------------------------|-----------------------------|
| Part 5142R-103K |                                           | <a href="#">Check Stock</a> |
| Series          | <a href="#">5142R</a>                     |                             |
| Type            | Power Inductors                           |                             |
| Description     | Surface Mount<br>Power Inductor -<br>RoHS |                             |
| Mounting        | Surface Mount                             |                             |
| Shielded        | No                                        |                             |
| QPL             | No                                        |                             |
| COTS            | No                                        |                             |
| ROHS            | Yes                                       |                             |
| MIL No.         | Not Applicable                            |                             |
| Length          | 0.53 inches                               |                             |
| Width           | 0.42 inches                               |                             |
| Height          | 0.175 inches                              |                             |
| Lead Length     |                                           |                             |
| Weight          | 1.4 grams                                 |                             |
| Inductance      | 10 $\mu$ H                                |                             |
| Tolerance       | $\pm$ 10                                  |                             |
| Q               |                                           |                             |
| SRF             | 30 MHz                                    |                             |
| DCR             | 0.07 $\Omega$                             |                             |
| Max Current     | 2000 mA                                   |                             |
| Inc Current     | 3400 mA                                   |                             |
| Inc Current %   | 10 %                                      |                             |
| Ind Test Freq   | 0.1 MHz                                   |                             |
| Q Test Freq     | 0.1 MHz                                   |                             |
| Core            | Ferrite                                   |                             |
| Sleeve          | Not Applicable                            |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-153K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 15 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 23 MHz                          |                             |
| DCR            | 0.095 $\Omega$                  |                             |
| Max Current    | 1710 mA                         |                             |
| Inc Current    | 2800 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |             |
|----------------|---------------------------------|-------------|
| Part 5142-564K |                                 | Check Stock |
| Series         | <a href="#">5142</a>            |             |
| Type           | Power Inductors                 |             |
| Description    | Surface Mount<br>Power Inductor |             |
| Mounting       | Surface Mount                   |             |
| Shielded       | No                              |             |
| QPL            | No                              |             |
| COTS           | No                              |             |
| ROHS           | No                              |             |
| MIL No.        | Not Applicable                  |             |
| Length         | 0.53 inches                     |             |
| Width          | 0.42 inches                     |             |
| Height         | 0.175 inches                    |             |
| Lead Length    |                                 |             |
| Weight         | 1.4 grams                       |             |
| Inductance     | 560 $\mu$ H                     |             |
| Tolerance      | $\pm 10$                        |             |
| Q              |                                 |             |
| SRF            | 3.3 MHz                         |             |
| DCR            | 1.9 $\Omega$                    |             |
| Max Current    | 380 mA                          |             |
| Inc Current    | 440 mA                          |             |
| Inc Current %  | 10 %                            |             |
| Ind Test Freq  | 0.1 MHz                         |             |
| Q Test Freq    | 0.1 MHz                         |             |
| Core           | Ferrite                         |             |
| Sleeve         | Not Applicable                  |             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-825K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 8200 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 0.7 MHz                         |                             |
| DCR            | 30 $\Omega$                     |                             |
| Max Current    | 95 mA                           |                             |
| Inc Current    | 110 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-824K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 820 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 2.6 MHz                         |                             |
| DCR            | 2.9 $\Omega$                    |                             |
| Max Current    | 310 mA                          |                             |
| Inc Current    | 360 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-823K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 82 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 10 MHz                          |                             |
| DCR            | 0.33 $\Omega$                   |                             |
| Max Current    | 920 mA                          |                             |
| Inc Current    | 1160 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-685K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 6800 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 0.8 MHz                         |                             |
| DCR            | 26 $\Omega$                     |                             |
| Max Current    | 100 mA                          |                             |
| Inc Current    | 130 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-684K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 680 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 2.9 MHz                         |                             |
| DCR            | 2.2 $\Omega$                    |                             |
| Max Current    | 355 mA                          |                             |
| Inc Current    | 400 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-224K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 220 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 5.9 MHz                         |                             |
| DCR            | 0.8 $\Omega$                    |                             |
| Max Current    | 590 mA                          |                             |
| Inc Current    | 720 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-565K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 5600 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 0.9 MHz                         |                             |
| DCR            | 20 $\Omega$                     |                             |
| Max Current    | 115 mA                          |                             |
| Inc Current    | 140 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-333K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 33 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 16 MHz                          |                             |
| DCR            | 0.17 $\Omega$                   |                             |
| Max Current    | 1280 mA                         |                             |
| Inc Current    | 1880 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-563K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 56 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 12 MHz                          |                             |
| DCR            | 0.2 $\Omega$                    |                             |
| Max Current    | 1180 mA                         |                             |
| Inc Current    | 1400 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-335K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 3300 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.2 MHz                         |                             |
| DCR            | 11.7 $\Omega$                   |                             |
| Max Current    | 155 mA                          |                             |
| Inc Current    | 180 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-474K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 470 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 3.6 MHz                         |                             |
| DCR            | 1.55 $\Omega$                   |                             |
| Max Current    | 425 mA                          |                             |
| Inc Current    | 480 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-473K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 47 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 13 MHz                          |                             |
| DCR            | 0.19 $\Omega$                   |                             |
| Max Current    | 1210 mA                         |                             |
| Inc Current    | 1500 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-395K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 3900 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1.1 MHz                         |                             |
| DCR            | 15.5 $\Omega$                   |                             |
| Max Current    | 130 mA                          |                             |
| Inc Current    | 170 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-394K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 390 $\mu$ H                     |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 4 MHz                           |                             |
| DCR            | 1.4 $\Omega$                    |                             |
| Max Current    | 445 mA                          |                             |
| Inc Current    | 540 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-393K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 39 $\mu$ H                      |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 14 MHz                          |                             |
| DCR            | 0.18 $\Omega$                   |                             |
| Max Current    | 1245 mA                         |                             |
| Inc Current    | 1680 mA                         |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                                 |                             |
|----------------|---------------------------------|-----------------------------|
| Part 5142-475K |                                 | <a href="#">Check Stock</a> |
| Series         | <a href="#">5142</a>            |                             |
| Type           | Power Inductors                 |                             |
| Description    | Surface Mount<br>Power Inductor |                             |
| Mounting       | Surface Mount                   |                             |
| Shielded       | No                              |                             |
| QPL            | No                              |                             |
| COTS           | No                              |                             |
| ROHS           | No                              |                             |
| MIL No.        | Not Applicable                  |                             |
| Length         | 0.53 inches                     |                             |
| Width          | 0.42 inches                     |                             |
| Height         | 0.175 inches                    |                             |
| Lead Length    |                                 |                             |
| Weight         | 1.4 grams                       |                             |
| Inductance     | 4700 $\mu$ H                    |                             |
| Tolerance      | $\pm 10$                        |                             |
| Q              |                                 |                             |
| SRF            | 1 MHz                           |                             |
| DCR            | 17.5 $\Omega$                   |                             |
| Max Current    | 125 mA                          |                             |
| Inc Current    | 150 mA                          |                             |
| Inc Current %  | 10 %                            |                             |
| Ind Test Freq  | 0.1 MHz                         |                             |
| Q Test Freq    | 0.1 MHz                         |                             |
| Core           | Ferrite                         |                             |
| Sleeve         | Not Applicable                  |                             |

|                |                              |             |
|----------------|------------------------------|-------------|
| Part 5142-683K |                              | Check Stock |
| Series         | <a href="#">5142</a>         |             |
| Type           | Power Inductors              |             |
| Description    | Surface Mount Power Inductor |             |
| Mounting       | Surface Mount                |             |
| Shielded       | No                           |             |
| QPL            | No                           |             |
| COTS           | No                           |             |
| ROHS           | No                           |             |
| MIL No.        | Not Applicable               |             |
| Length         | 0.53 inches                  |             |
| Width          | 0.42 inches                  |             |
| Height         | 0.175 inches                 |             |
| Lead Length    |                              |             |
| Weight         | 1.4 grams                    |             |
| Inductance     | 68 $\mu$ H                   |             |
| Tolerance      | $\pm 10$                     |             |
| Q              |                              |             |
| SRF            | 11 MHz                       |             |
| DCR            | 0.28 $\Omega$                |             |
| Max Current    | 1000 mA                      |             |
| Inc Current    | 1260 mA                      |             |
| Inc Current %  | 10 %                         |             |
| Ind Test Freq  | 0.1 MHz                      |             |
| Q Test Freq    | 0.1 MHz                      |             |
| Core           | Ferrite                      |             |
| Sleeve         | Not Applicable               |             |

## Parts

|           |                              |
|-----------|------------------------------|
| 5142-103K | Surface Mount Power Inductor |
| 5142-104K | Surface Mount Power Inductor |
| 5142-105K | Surface Mount Power Inductor |
| 5142-106K | Surface Mount Power Inductor |
| 5142-123K | Surface Mount Power Inductor |
| 5142-124K | Surface Mount Power Inductor |
| 5142-125K | Surface Mount Power Inductor |
| 5142-153K | Surface Mount Power Inductor |
| 5142-154K | Surface Mount Power Inductor |
| 5142-155K | Surface Mount Power Inductor |
| 5142-183K | Surface Mount Power Inductor |
| 5142-184K | Surface Mount Power Inductor |
| 5142-185K | Surface Mount Power Inductor |

|            |                                     |
|------------|-------------------------------------|
| 5142-223K  | Surface Mount Power Inductor        |
| 5142-224K  | Surface Mount Power Inductor        |
| 5142-225K  | Surface Mount Power Inductor        |
| 5142-273K  | Surface Mount Power Inductor        |
| 5142-274K  | Surface Mount Power Inductor        |
| 5142-275K  | Surface Mount Power Inductor        |
| 5142-333K  | Surface Mount Power Inductor        |
| 5142-334K  | Surface Mount Power Inductor        |
| 5142-335K  | Surface Mount Power Inductor        |
| 5142-393K  | Surface Mount Power Inductor        |
| 5142-394K  | Surface Mount Power Inductor        |
| 5142-395K  | Surface Mount Power Inductor        |
| 5142-473K  | Surface Mount Power Inductor        |
| 5142-474K  | Surface Mount Power Inductor        |
| 5142-475K  | Surface Mount Power Inductor        |
| 5142-563K  | Surface Mount Power Inductor        |
| 5142-564K  | Surface Mount Power Inductor        |
| 5142-565K  | Surface Mount Power Inductor        |
| 5142-683K  | Surface Mount Power Inductor        |
| 5142-684K  | Surface Mount Power Inductor        |
| 5142-685K  | Surface Mount Power Inductor        |
| 5142-823K  | Surface Mount Power Inductor        |
| 5142-824K  | Surface Mount Power Inductor        |
| 5142-825K  | Surface Mount Power Inductor        |
| 5142R-103K | Surface Mount Power Inductor - RoHS |
| 5142R-104K | Surface Mount Power Inductor - RoHS |
| 5142R-105K | Surface Mount Power Inductor - RoHS |
| 5142R-106K | Surface Mount Power Inductor - RoHS |
| 5142R-123K | Surface Mount Power Inductor - RoHS |
| 5142R-124K | Surface Mount Power Inductor - RoHS |
| 5142R-125K | Surface Mount Power Inductor - RoHS |
| 5142R-153K | Surface Mount Power Inductor - RoHS |
| 5142R-154K | Surface Mount Power Inductor - RoHS |
| 5142R-155K | Surface Mount Power Inductor - RoHS |
| 5142R-183K | Surface Mount Power Inductor - RoHS |
| 5142R-184K | Surface Mount Power Inductor - RoHS |
| 5142R-185K | Surface Mount Power Inductor - RoHS |
| 5142R-223K | Surface Mount Power Inductor - RoHS |
| 5142R-224K | Surface Mount Power Inductor - RoHS |
| 5142R-225K | Surface Mount Power Inductor - RoHS |
| 5142R-273K | Surface Mount Power Inductor - RoHS |
| 5142R-274K | Surface Mount Power Inductor - RoHS |
| 5142R-275K | Surface Mount Power Inductor - RoHS |
| 5142R-333K | Surface Mount Power Inductor - RoHS |
| 5142R-334K | Surface Mount Power Inductor - RoHS |
| 5142R-335K | Surface Mount Power Inductor - RoHS |
| 5142R-393K | Surface Mount Power Inductor - RoHS |
| 5142R-394K | Surface Mount Power Inductor - RoHS |
| 5142R-395K | Surface Mount Power Inductor - RoHS |
| 5142R-473K | Surface Mount Power Inductor - RoHS |

|            |                                     |
|------------|-------------------------------------|
| 5142R-474K | Surface Mount Power Inductor - RoHS |
| 5142R-475K | Surface Mount Power Inductor - RoHS |
| 5142R-563K | Surface Mount Power Inductor - RoHS |
| 5142R-564K | Surface Mount Power Inductor - RoHS |
| 5142R-565K | Surface Mount Power Inductor - RoHS |
| 5142R-683K | Surface Mount Power Inductor - RoHS |
| 5142R-684K | Surface Mount Power Inductor - RoHS |
| 5142R-685K | Surface Mount Power Inductor - RoHS |
| 5142R-823K | Surface Mount Power Inductor - RoHS |
| 5142R-824K | Surface Mount Power Inductor - RoHS |
| 5142R-825K | Surface Mount Power Inductor - RoHS |