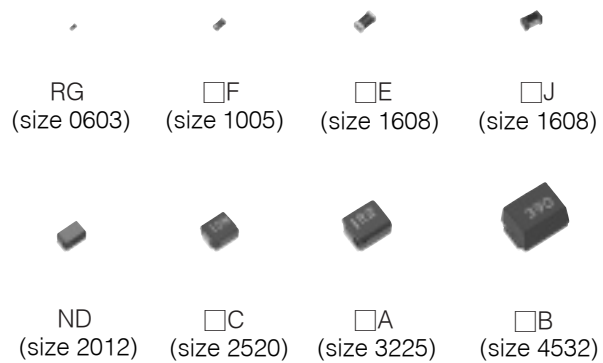


### Chip Inductors

Series: **Chip**  
 Type: **RG, RF, RE, NJ, ND, NC, NA, NK, FJ, FC, FA, FB, SA, PF, PE, PC, PA, PB, EA, QF, QE**

Japan



Non-wound (laser-cut) and wire wound types of chip inductors designed for automatic and high density mounting

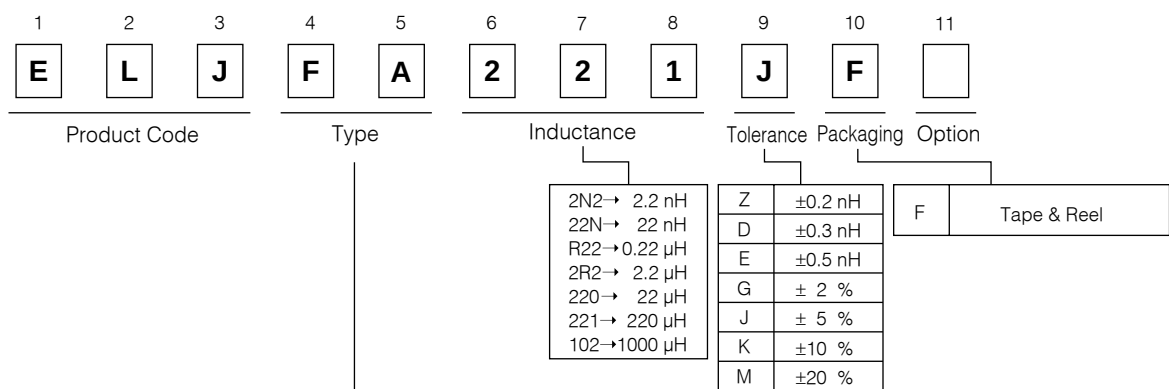
#### ■ Features

- High Q
- Good mounting reliability
- Wide range of inductance values (1.0 nH to 1000  $\mu$ H)
- Stable L value in any mounting direction (Non wound type)

#### ■ Recommended Applications

- Cordless telephones, Wireless Communication equipment (WLAN, Bluetooth), PDA, Camcorders, Digital Still Cameras, TV, VCR, PC Peripherals, Hybrid modules

#### ■ Explanation of Part Numbers



| Item              | Non wound type      |                     |                     | Wire wound type     |                     |                     |                     |                     |                     |
|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                   | Styles              | Types               | Types               | Types               | Types               | Types               | Types               | Types               | Types               |
|                   | G<br>0603<br>(0201) | F<br>1005<br>(0402) | E<br>1608<br>(0603) | K<br>1005<br>(0402) | J<br>1608<br>(0603) | D<br>2012<br>(0805) | C<br>2520<br>(1008) | A<br>3225<br>(1210) | B<br>4532<br>(1812) |
| Non Magnetic Core | RG                  | RF                  | RE                  | NK                  | —                   | ND                  | NC                  | NA                  | —                   |
| Higher Q Type     | —                   | QF                  | QE                  | —                   | NJ                  | —                   | —                   | —                   | —                   |
| Regular           | —                   | —                   | —                   | —                   | FJ                  | —                   | FC                  | FA                  | FB                  |
| Shield            | —                   | —                   | —                   | —                   | —                   | —                   | —                   | SA                  | —                   |
| High Power        | —                   | PF                  | PE                  | —                   | —                   | —                   | PC                  | PA                  | PB                  |
| Low DC resistance | —                   | —                   | —                   | —                   | —                   | —                   | —                   | EA                  | —                   |

Size unit: mm (inch)

Inductance, Size Guide

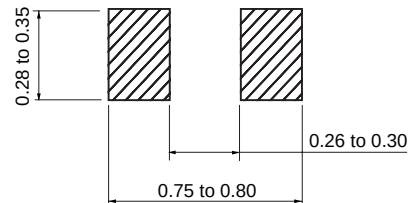
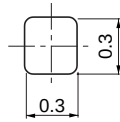
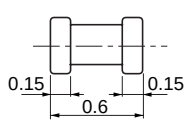
|                   | Type NAME<br>mm (EIA)            | L VALUE                                                                                     |      |     |     |    |     |             | Features                                                                                                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------|---------------------------------------------------------------------------------------------|------|-----|-----|----|-----|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                                  | 0.001                                                                                       | 0.01 | 0.1 | 1.0 | 10 | 100 | (H)<br>1000 |                                                                                                                                                                                                                                                                                                                                                   |
| Non Magnetic Core | 0603 (0201)<br>RG <b>NEW</b>     | <div><div>D</div><div>J</div></div> <div>1.0 nH6.8 nH22 nH</div>                            |      |     |     |    |     |             | <div><div>Tolerance</div><div>Z : ± 0.2 nH</div><div>D : ± 0.3 nH</div><div>E : ± 0.5 nH</div><div>G : ± 2 %</div><div>J : ± 5 %</div><div>K : ± 10 %</div><div>M : ± 20 %</div></div> <div>●Low inductance, tight tolerance</div> <div>●Stable L value against an environmental condition</div> <div>●Suitable for high frequency circuits</div> |
|                   | 1005 (0402)<br>RF                | <div><div>D</div><div>J</div></div> <div>1.0 nH6.8 nH100 nH</div>                           |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 1608 (0603)<br>RE                | <div><div>D</div><div>J</div></div> <div>1.0 nH3.9 nH220 nH</div>                           |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 1608 (0603)<br>NJ <b>NEW</b>     | <div><div>E,Z</div><div>J,G</div></div> <div>6.8 nH10 nH220 nH</div>                        |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 2012 (0805)<br>ND                | <div><div>K</div><div>J,K</div></div> <div>10 nH33 nH1000 nH</div>                          |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 2520 (1008)<br>NC                | <div><div>K</div><div>J,K</div></div> <div>10 nH33 nH820 nH</div>                           |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 3225 (1210)<br>NA                | <div><div>M</div><div>K</div><div>J</div></div> <div>0.047 H0.22 H1.0 H8.2 H</div>          |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
| Regular           | 1608 (0603)<br>FJ <b>NEW</b>     | <div><div>J</div></div> <div>0.1 H0.39 H</div>                                              |      |     |     |    |     |             | <div>●Suitable for various applications</div>                                                                                                                                                                                                                                                                                                     |
|                   | 2520 (1008)<br>FC                | <div><div>K,M</div><div>J,K</div></div> <div>0.22 H1.0 H100 H</div>                         |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 3225 (1210)<br>FA                | <div><div>K,M</div><div>J,K</div></div> <div>0.22 H1.0 H220 H</div>                         |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 3225 (1210)<br>SA<br>Mag. shield | <div><div>K</div></div> <div>10 H270 H</div>                                                |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 4532 (1812)<br>FB                | <div><div>M</div><div>K,M</div><div>J,K</div></div> <div>0.22 H1.0 H10 H100 H1000 H</div>   |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
| High Power        | 1005 (0402)<br>PF <b>NEW</b>     | <div><div>D,J</div></div> <div>2.2 nH10 nH</div>                                            |      |     |     |    |     |             | <div>●Large DC current</div> <div>●Suitable for power line as choke coil</div>                                                                                                                                                                                                                                                                    |
|                   | 1608 (0603)<br>PE                | <div><div>K</div></div> <div>2.2 nH22 nH</div>                                              |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 2520 (1008)<br>PC                | <div><div>M</div><div>K</div></div> <div>1.0 H6.8 H33 H</div>                               |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 3225 (1210)<br>PA                | <div><div>M</div><div>K</div></div> <div>1.0 H10 H330 H</div>                               |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
|                   | 4532 (1812)<br>PB                | <div><div>K</div></div> <div>10 H220 H</div>                                                |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |
| Low DC resistance | 3225 (1210)<br>EA                | <div><div>M</div><div>K</div></div> <div>1.0 H10 H330 H</div> <div>●Low DC resistance</div> |      |     |     |    |     |             |                                                                                                                                                                                                                                                                                                                                                   |

## 1. Non Magnetic Core Types RG, RF, RE, NK, NJ, ND, NC, NA

## ■ Type 0603(0201)RG

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



## ■ Standard Packing Quantity

● 15000 pcs./Reel

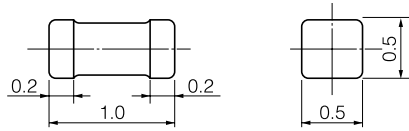
## ■ Examples

| Part No.     | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |     |
|--------------|------------|-----------|-----------|-------------------------------|---------------------|-------------------|------------------------|-----|
|              | (nH)       | Tolerance |           |                               |                     |                   |                        |     |
| ELJRG1N0D/ZF | 1.0        | ±0.3 nH   | ±0.2 nH   | 4                             | 100                 | 20000             | 0.12                   | 550 |
| ELJRG1N2D/ZF | 1.2        |           |           |                               |                     | 20000             | 0.15                   | 550 |
| ELJRG1N5D/ZF | 1.5        |           |           |                               |                     | 20000             | 0.18                   | 550 |
| ELJRG1N8D/ZF | 1.8        |           |           |                               |                     | 20000             | 0.22                   | 420 |
| ELJRG2N2D/ZF | 2.2        |           |           |                               |                     | 13000             | 0.26                   | 420 |
| ELJRG2N7D/ZF | 2.7        |           |           |                               |                     | 13000             | 0.32                   | 420 |
| ELJRG3N3D/ZF | 3.3        |           |           |                               |                     | 10000             | 0.38                   | 300 |
| ELJRG3N9D/ZF | 3.9        |           |           |                               |                     | 9600              | 0.48                   | 300 |
| ELJRG4N7D/ZF | 4.7        |           |           |                               |                     | 8800              | 0.56                   | 300 |
| ELJRG5N6D/ZF | 5.6        |           |           |                               |                     | 8300              | 0.70                   | 230 |
| ELJRG6N8J/ZF | 6.8        | ±5 %      | ±2 %      | 3                             |                     | 7400              | 0.82                   | 230 |
| ELJRG8N2J/ZF | 8.2        |           |           |                               |                     | 7000              | 1.00                   | 230 |
| ELJRG10NJ/GF | 10.0       |           |           |                               |                     | 6600              | 1.30                   | 230 |
| ELJRG12NJ/GF | 12.0       |           |           |                               |                     | 6100              | 1.60                   | 190 |
| ELJRG15NJ/GF | 15.0       |           |           |                               |                     | 5600              | 2.20                   | 150 |
| ELJRG18NJ/GF | 18.0       |           |           |                               |                     | 5400              | 2.80                   | 130 |
| ELJRG22NJ/GF | 22.0       |           |           |                               |                     | 4600              | 3.50                   | 120 |
| ELJRG27NJ/GF | 27.0       |           |           |                               |                     | 4700              | 4.00                   | 110 |
| ELJRG33NJ/GF | 33.0       |           |           |                               |                     | 4500              | 6.00                   | 90  |
| ELJRG39NJ/GF | 39.0       |           |           |                               |                     | 4000              | 8.00                   | 80  |
| ELJRG47NJ/GF | 47.0       | 2         | 3400      | 10.00                         |                     | 70                |                        |     |

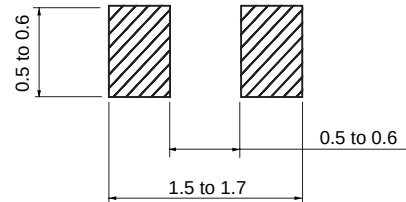
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 1005(0402)RF

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 10000 pcs./Reel

### ■ Examples

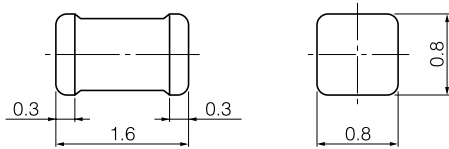
| Part No.      | Inductance |           | Q<br>min. | L, Q<br>Test Freq.<br>(MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|---------------|------------|-----------|-----------|-----------------------------|---------------------|-------------------|------------------------|
|               | (nH)       | Tolerance |           |                             |                     |                   |                        |
| ELJRF1N0D/ZF2 | 1.0        | ±0.3 nH   | 8         | 100                         | 6000                | 0.05              | 400                    |
| ELJRF1N2D/ZF2 | 1.2        |           |           |                             | 6000                | 0.06              | 400                    |
| ELJRF1N5D/ZF2 | 1.5        |           |           |                             | 6000                | 0.07              | 400                    |
| ELJRF1N8D/ZF2 | 1.8        |           |           |                             | 6000                | 0.08              | 400                    |
| ELJRF2N2D/ZF2 | 2.2        |           |           |                             | 6000                | 0.09              | 400                    |
| ELJRF2N7D/ZF2 | 2.7        |           |           |                             | 5500                | 0.10              | 400                    |
| ELJRF3N3D/ZF2 | 3.3        |           |           |                             | 5500                | 0.12              | 400                    |
| ELJRF3N9D/ZF2 | 3.9        |           |           |                             | 5200                | 0.15              | 360                    |
| ELJRF4N7D/ZF2 | 4.7        |           |           |                             | 4800                | 0.17              | 360                    |
| ELJRF5N6D/ZF2 | 5.6        |           |           |                             | 4600                | 0.19              | 340                    |
| ELJRF6N8J/ZF2 | 6.8        | ± 5 %     | 8         | 100                         | 4000                | 0.30              | 320                    |
| ELJRF8N2J/ZF2 | 8.2        |           |           |                             | 3500                | 0.35              | 320                    |
| ELJRF10NJ/GF2 | 10.0       |           |           |                             | 2800                | 0.41              | 320                    |
| ELJRF12NJ/GF2 | 12.0       |           |           |                             | 2800                | 0.45              | 320                    |
| ELJRF15NJ/GF2 | 15.0       |           |           |                             | 2500                | 0.60              | 240                    |
| ELJRF18NJ/GF2 | 18.0       |           |           |                             | 2200                | 0.70              | 240                    |
| ELJRF22NJ/GF2 | 22.0       |           |           |                             | 2000                | 0.80              | 200                    |
| ELJRF27NJ/GF2 | 27.0       |           |           |                             | 1800                | 1.20              | 200                    |
| ELJRF33NJ/GF2 | 33.0       |           |           |                             | 1800                | 1.40              | 170                    |
| ELJRF39NJ/GF2 | 39.0       |           |           |                             | 1800                | 1.70              | 150                    |
| ELJRF47NJ/GF2 | 47.0       | ± 2 %     | 8         | 100                         | 1800                | 2.10              | 140                    |
| ELJRF56NJ/GF2 | 56.0       |           |           |                             | 1500                | 2.50              | 130                    |
| ELJRF68NJ/GF2 | 68.0       |           |           |                             | 1500                | 4.00              | 120                    |
| ELJRF82NJ/GF2 | 82.0       |           |           |                             | 1400                | 4.50              | 110                    |
| ELJRF10J/GF2  | 100.0      |           |           |                             | 1200                | 5.50              | 90                     |
| ELJRF3N6D/ZF2 | 3.6        | ±0.3 nH   | 8         | 100                         | 5300                | 0.14              | 380                    |
| ELJRF4N3D/ZF2 | 4.3        |           |           |                             | 5000                | 0.16              | 360                    |
| ELJRF5N1D/ZF2 | 5.1        |           |           |                             | 4700                | 0.18              | 350                    |
| ELJRF6N2D/ZF2 | 6.2        |           |           |                             | 4300                | 0.25              | 330                    |
| ELJRF7N5J/ZF2 | 7.5        |           |           |                             | 3700                | 0.33              | 320                    |
| ELJRF9N1J/ZF2 | 9.1        |           |           |                             | 3100                | 0.38              | 320                    |
| ELJRF11NJ/GF2 | 11.0       |           |           |                             | 2800                | 0.43              | 320                    |
| ELJRF13NJ/GF2 | 13.0       |           |           |                             | 2600                | 0.53              | 280                    |
| ELJRF16NJ/GF2 | 16.0       |           |           |                             | 2300                | 0.65              | 240                    |
| ELJRF20NJ/GF2 | 20.0       |           |           |                             | 2100                | 0.75              | 220                    |
| ELJRF24NJ/GF2 | 24.0       | ± 5 %     | 8         | 100                         | 1900                | 1.00              | 200                    |
| ELJRF30NJ/GF2 | 30.0       |           |           |                             | 1800                | 1.30              | 190                    |
| ELJRF36NJ/GF2 | 36.0       |           |           |                             | 1800                | 1.60              | 160                    |
| ELJRF43NJ/GF2 | 43.0       |           |           |                             | 1800                | 1.90              | 150                    |

\*1 : Self Resonant Frequency \*2 : DC Resistance

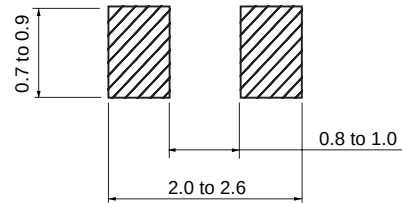
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

# Type 1608(0603)RE

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



## Standard Packing Quantity

● 3000 pcs./Reel

## Examples

| Part No.      | Inductance |           | Q<br>min. | L,Q<br>Test Freq.<br>(MHz) | SRF * <sup>1</sup><br>(MHz)min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |     |
|---------------|------------|-----------|-----------|----------------------------|---------------------------------|-------------------------------|------------------------|-----|
|               | (nH)       | Tolerance |           |                            |                                 |                               |                        |     |
| ELJRE1N0D/ZF2 | 1.0        | ±0.3 nH   | 7         | 100                        | 6000                            | 0.05                          | 500                    |     |
| ELJRE1N2D/ZF2 | 1.2        |           |           |                            | 6000                            | 0.06                          | 500                    |     |
| ELJRE1N5D/ZF2 | 1.5        |           | 8         |                            | 6000                            | 0.07                          | 500                    |     |
| ELJRE1N8D/ZF2 | 1.8        |           |           |                            | 6000                            | 0.08                          | 500                    |     |
| ELJRE2N2D/ZF2 | 2.2        |           |           |                            | 6000                            | 0.09                          | 500                    |     |
| ELJRE2N7D/ZF2 | 2.7        | ±0.2 nH   | 9         |                            | 6000                            | 0.10                          | 500                    |     |
| ELJRE3N3D/ZF2 | 3.3        |           |           |                            | 5500                            | 0.12                          | 500                    |     |
| ELJRE3N9J/ZF2 | 3.9        |           |           |                            | 5500                            | 0.15                          | 450                    |     |
| ELJRE4N7J/ZF2 | 4.7        |           | 10        |                            | 4800                            | 0.17                          | 450                    |     |
| ELJRE5N6J/ZF2 | 5.6        | 4600      |           |                            | 0.18                            | 430                           |                        |     |
| ELJRE6N8J/ZF2 | 6.8        | 3550      |           |                            | 0.20                            | 430                           |                        |     |
| ELJRE8N2J/ZF2 | 8.2        | 3500      |           |                            | 0.28                            | 400                           |                        |     |
| ELJRE10NJ/GF2 | 10.0       | ±5 %      | 10        |                            | 2800                            | 0.32                          | 400                    |     |
| ELJRE12NJ/GF2 | 12.0       |           |           |                            | 2800                            | 0.35                          | 400                    |     |
| ELJRE15NJ/GF2 | 15.0       |           |           |                            | 2500                            | 0.41                          | 350                    |     |
| ELJRE18NJ/GF2 | 18.0       |           |           |                            | 2300                            | 0.45                          | 350                    |     |
| ELJRE22NJ/GF2 | 22.0       |           | ±2 %      |                            | 11                              | 2000                          | 0.50                   | 300 |
| ELJRE27NJ/GF2 | 27.0       |           |           |                            |                                 | 2000                          | 0.55                   | 300 |
| ELJRE33NJ/GF2 | 33.0       |           |           |                            |                                 | 1800                          | 0.60                   | 300 |
| ELJRE39NJ/GF2 | 39.0       |           |           |                            |                                 | 1800                          | 0.80                   | 300 |
| ELJRE47NJ/GF2 | 47.0       |           |           |                            | 12                              | 1800                          | 0.95                   | 250 |
| ELJRE56NJ/GF3 | 56.0       |           |           |                            |                                 | 1800                          | 1.20                   | 250 |
| ELJRE68NJ/GF3 | 68.0       |           |           |                            | 5                               | 1500                          | 1.30                   | 250 |
| ELJRE82NJ/GF3 | 82.0       |           |           |                            |                                 | 1500                          | 1.50                   | 250 |
| ELJRER10J/GF3 | 100.0      |           |           |                            | 25.2                            | 1300                          | 1.80                   | 200 |
| ELJRER12J/GF3 | 120.0      |           |           |                            |                                 | 1200                          | 3.00                   | 130 |
| ELJRER15J/GF3 | 150.0      | 1100      | 4.50      |                            |                                 | 100                           |                        |     |
| ELJRER18J/GF3 | 180.0      | 1000      | 6.50      |                            |                                 | 80                            |                        |     |
| ELJRER22J/GF3 | 220.0      | ±0.3 nH   | 9         |                            | 900                             | 7.50                          | 70                     |     |
| ELJRE3N6D/ZF2 | 3.6        |           |           | 5500                       | 0.14                            | 500                           |                        |     |
| ELJRE4N3J/ZF2 | 4.3        |           | ±0.2 nH   | 100                        | 5100                            | 0.16                          | 450                    |     |
| ELJRE5N1J/ZF2 | 5.1        |           |           |                            | 4700                            | 0.18                          | 450                    |     |
| ELJRE6N2J/ZF2 | 6.2        |           |           |                            | 4000                            | 0.19                          | 450                    |     |
| ELJRE7N5J/ZF2 | 7.5        | 3500      |           |                            | 0.24                            | 430                           |                        |     |
| ELJRE9N1J/ZF2 | 9.1        | 3100      |           |                            | 0.30                            | 430                           |                        |     |
| ELJRE11NJ/GF2 | 11.0       | ±2 %      | 2800      |                            | 0.33                            | 400                           |                        |     |
| ELJRE13NJ/GF2 | 13.0       |           | 2600      |                            | 0.38                            | 400                           |                        |     |
| ELJRE16NJ/GF2 | 16.0       |           | 2400      |                            | 0.43                            | 400                           |                        |     |
| ELJRE20NJ/GF2 | 20.0       |           | 2100      |                            | 0.48                            | 350                           |                        |     |
| ELJRE24NJ/GF2 | 24.0       |           | 2000      |                            | 0.53                            | 300                           |                        |     |
| ELJRE30NJ/GF2 | 30.0       |           | 1900      |                            | 0.58                            | 300                           |                        |     |
| ELJRE36NJ/GF2 | 36.0       |           | 1800      |                            | 0.70                            | 300                           |                        |     |
| ELJRE43NJ/GF2 | 43.0       |           | 1800      |                            | 0.87                            | 300                           |                        |     |

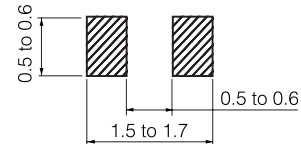
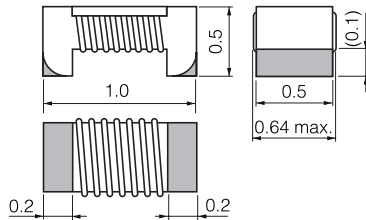
\*1 : Self Resonant Frequency \*2 : DC Resistance

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 1005(0402)NK

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 10000 pcs./Reel

### ■ Examples

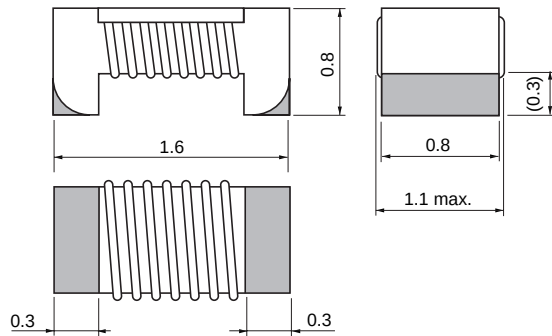
| Part No.     | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|-----------|-----------|-------------------------------|---------------------|-------------------|------------------------|
|              | (nH)       | Tolerance |           |                               |                     |                   |                        |
| ELJNK2N2E/ZF | 2.2        | ±0.5 nH   | ±0.2 nH   | 20                            | 15000               | 0.05              | 900                    |
| ELJNK2N7E/ZF | 2.7        |           |           |                               | 15000               | 0.05              | 900                    |
| ELJNK3N3E/ZF | 3.3        |           |           |                               | 12000               | 0.07              | 850                    |
| ELJNK3N9E/ZF | 3.9        |           |           |                               | 10000               | 0.07              | 850                    |
| ELJNK4N3E/ZF | 4.3        |           |           |                               | 10000               | 0.07              | 850                    |
| ELJNK4N7E/ZF | 4.7        |           |           |                               | 8000                | 0.07              | 850                    |
| ELJNK5N1E/ZF | 5.1        |           |           |                               | 8000                | 0.12              | 680                    |
| ELJNK5N6E/ZF | 5.6        |           |           |                               | 8000                | 0.09              | 750                    |
| ELJNK6N2E/ZF | 6.2        | ±5 %      | ±3 %      | 25                            | 8000                | 0.09              | 750                    |
| ELJNK6N8J/AF | 6.8        |           |           |                               | 6500                | 0.09              | 750                    |
| ELJNK7N5J/AF | 7.5        |           |           |                               | 6500                | 0.13              | 660                    |
| ELJNK8N2J/AF | 8.2        |           |           |                               | 6500                | 0.12              | 680                    |
| ELJNK9N1J/AF | 9.1        |           |           |                               | 5500                | 0.14              | 640                    |
| ELJNK10NJ/AF | 10.0       |           |           |                               | 5500                | 0.14              | 640                    |
| ELJNK12NJ/AF | 12.0       |           |           |                               | 5500                | 0.14              | 640                    |
| ELJNK15NJ/AF | 15.0       |           |           |                               | 5200                | 0.16              | 560                    |
| ELJNK18NJ/AF | 18.0       |           |           |                               | 4800                | 0.27              | 430                    |
| ELJNK22NJ/AF | 22.0       |           |           |                               | 4100                | 0.30              | 410                    |
| ELJNK27NJ/AF | 27.0       |           |           |                               | 4000                | 0.47              | 350                    |
| ELJNK33NJ/AF | 33.0       |           |           |                               | 3500                | 0.53              | 310                    |
| ELJNK39NJ/AF | 39.0       |           |           |                               | 3200                | 0.70              | 270                    |
| ELJNK47NJ/AF | 47.0       |           |           |                               | 3000                | 1.05              | 220                    |
| ELJNK56NJ/AF | 56.0       |           |           |                               | 2800                | 1.10              | 210                    |

\*1 : Self Resonant Frequency \*2 : DC Resistance

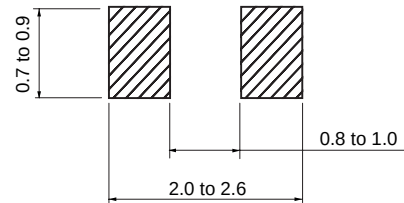
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 1608(0603)NJ

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

- 3000 pcs./Reel

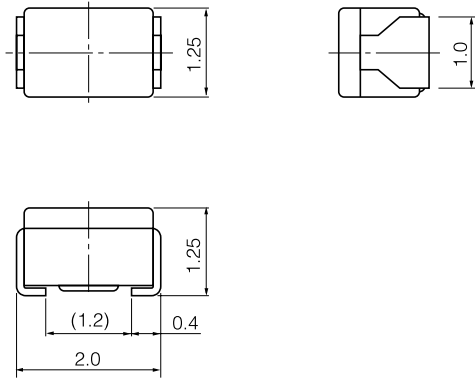
### ■ Examples

| Part No.      | Inductance |              | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF*1<br>(MHz)min. | DCR*2<br>(Ω)max. | DC Current<br>(mA)max. |
|---------------|------------|--------------|-----------|-------------------------------|--------------------|------------------|------------------------|
|               | (nH)       | Tolerance    |           |                               |                    |                  |                        |
| ELJNJ6N8Z/EF2 | 6.8        | ±0.2 nH      | 35        | 250                           | 6000               | 0.08             | 750                    |
| ELJNJ8N2Z/EF2 | 8.2        | ±0.5 nH      |           |                               | 6000               | 0.10             | 650                    |
| ELJNJ10NG/JF2 | 10.0       | ±2 %<br>±5 % |           |                               | 6000               | 0.10             | 650                    |
| ELJNJ12NG/JF2 | 12.0       |              |           |                               | 6000               | 0.13             | 600                    |
| ELJNJ15NG/JF2 | 15.0       |              | 40        |                               | 5000               | 0.13             | 600                    |
| ELJNJ18NG/JF2 | 18.0       |              |           |                               | 5000               | 0.15             | 550                    |
| ELJNJ22NG/JF2 | 22.0       |              |           |                               | 4600               | 0.17             | 500                    |
| ELJNJ27NG/JF2 | 27.0       |              |           |                               | 3800               | 0.20             | 440                    |
| ELJNJ33NG/JF2 | 33.0       |              |           | 3500                          | 0.23               | 420              |                        |
| ELJNJ39NG/JF2 | 39.0       |              |           | 3200                          | 0.25               | 400              |                        |
| ELJNJ47NG/JF2 | 47.0       |              | 38        | 200                           | 3000               | 0.28             | 380                    |
| ELJNJ56NG/JF2 | 56.0       |              |           |                               | 2700               | 0.30             | 360                    |
| ELJNJ68NG/JF2 | 68.0       | 2300         |           |                               | 0.35               | 340              |                        |
| ELJNJ82NG/JF2 | 82.0       | 34           | 150       | 2200                          | 0.48               | 290              |                        |
| ELJNJR10G/JF2 | 100.0      |              |           | 2000                          | 0.62               | 250              |                        |
| ELJNJR12G/JF2 | 120.0      | 32           |           | 1700                          | 0.90               | 210              |                        |
| ELJNJR15G/JF2 | 150.0      |              |           | 1400                          | 1.30               | 160              |                        |
| ELJNJR18G/JF2 | 180.0      | 25           | 100       | 1300                          | 2.00               | 140              |                        |
| ELJNJR22G/JF2 | 220.0      |              |           | 1200                          | 2.20               | 120              |                        |

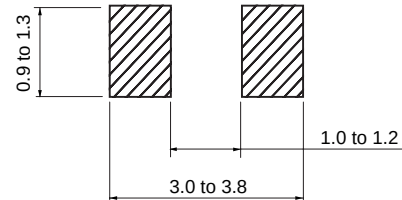
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 2012(0805)ND

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

- 3000 pcs./Reel

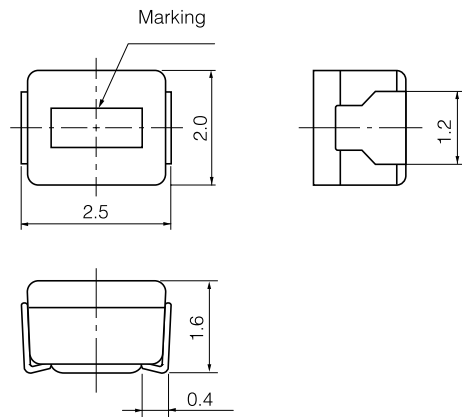
### ■ Examples

| Part No.     | Inductance |                | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | Q<br>Typical<br>(800 MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|----------------|-----------|-------------------------------|---------------------------|---------------------|-------------------|------------------------|
|              | (nH)       | Tolerance      |           |                               |                           |                     |                   |                        |
| ELJND10NKF   | 10         | ±10 %          | 10        | 100                           | 72                        | 3300                | 0.18              | 540                    |
| ELJND12NKF   | 12         |                |           |                               | 67                        | 3300                | 0.24              | 535                    |
| ELJND15NKF   | 15         |                | 12        |                               | 73                        | 3000                | 0.24              | 520                    |
| ELJND18NKF   | 18         |                |           |                               | 74                        | 3000                | 0.29              | 480                    |
| ELJND22NKF   | 22         |                | 15        |                               | 75                        | 2600                | 0.29              | 465                    |
| ELJND27NKF   | 27         |                |           |                               | 73                        | 2500                | 0.34              | 455                    |
| ELJND33NJ/KF | 33         | ± 5 %<br>±10 % | 15        |                               | 80                        | 2050                | 0.39              | 395                    |
| ELJND39NJ/KF | 39         |                |           |                               | 72                        | 2000                | 0.41              | 390                    |
| ELJND47NJ/KF | 47         |                |           |                               | 71                        | 1650                | 0.46              | 385                    |
| ELJND56NJ/KF | 56         |                |           |                               | 63                        | 1550                | 0.51              | 360                    |
| ELJND68NJ/KF | 68         |                |           |                               | 57                        | 1450                | 0.57              | 340                    |
| ELJND82NJ/KF | 82         |                |           |                               | 56                        | 1100                | 0.63              | 330                    |
| ELJNDR10J/KF | 100        |                | 8         | 25.2                          | 51                        | 800                 | 0.86              | 285                    |
| ELJNDR12J/KF | 120        |                |           |                               | 32                        | 600                 | 0.99              | 275                    |
| ELJNDR15J/KF | 150        |                | 10        |                               | 36                        | 600                 | 1.47              | 230                    |
| ELJNDR18J/KF | 180        |                |           |                               | 34                        | 600                 | 1.61              | 195                    |
| ELJNDR22J/KF | 220        |                |           |                               | —                         | 500                 | 1.84              | 170                    |
| ELJNDR27J/KF | 270        |                |           |                               | —                         | 300                 | 1.95              | 165                    |
| ELJNDR33J/KF | 330        | —              |           |                               | 200                       | 2.16                | 160               |                        |
| ELJNDR39J/KF | 390        | —              |           |                               | 150                       | 2.37                | 150               |                        |
| ELJNDR47J/KF | 470        | —              |           |                               | 150                       | 2.56                | 145               |                        |
| ELJNDR56J/KF | 560        | —              |           |                               | 100                       | 2.69                | 140               |                        |
| ELJNDR68J/KF | 680        | —              |           |                               | 100                       | 3.02                | 130               |                        |
| ELJNDR82J/KF | 820        | —              |           |                               | 80                        | 3.38                | 125               |                        |
| ELJND1R0J/KF | 1000       |                | 8         | 7.96                          | —                         | 80                  | 3.88              | 120                    |

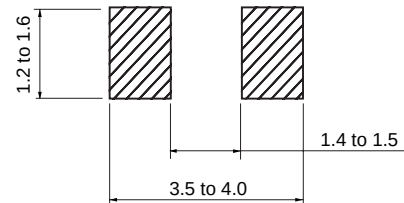
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 2520(1008)NC

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



#### ■ Standard Packing Quantity

- 2000 pcs./Reel

#### ■ Examples

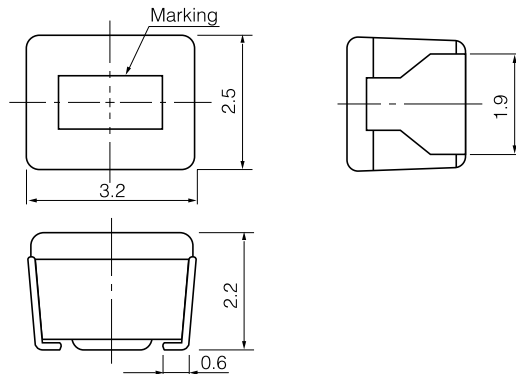
| Part No.     | Inductance |                | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF * <sup>1</sup><br>(MHz)min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|----------------|-----------|-------------------------------|---------------------------------|-------------------------------|------------------------|
|              | (nH)       | Tolerance      |           |                               |                                 |                               |                        |
| ELJNC10NKF   | 10         | ±10 %          | 10        | 100                           | 2500                            | 0.32                          | 280                    |
| ELJNC12NKF   | 12         |                |           |                               | 2200                            | 0.34                          | 270                    |
| ELJNC15NKF   | 15         |                |           |                               | 1800                            | 0.38                          | 255                    |
| ELJNC18NKF   | 18         |                |           |                               | 1550                            | 0.40                          | 250                    |
| ELJNC22NKF   | 22         |                |           |                               | 1350                            | 0.43                          | 240                    |
| ELJNC27NKF   | 27         |                |           |                               | 1150                            | 0.47                          | 230                    |
| ELJNC33NK/JF | 33         | ±10 %<br>± 5 % | 15        |                               | 1000                            | 0.51                          | 220                    |
| ELJNC39NK/JF | 39         |                |           |                               | 890                             | 0.55                          | 215                    |
| ELJNC47NK/JF | 47         |                |           |                               | 770                             | 0.59                          | 205                    |
| ELJNC56NK/JF | 56         |                |           |                               | 670                             | 0.63                          | 200                    |
| ELJNC68NK/JF | 68         |                |           |                               | 590                             | 0.68                          | 190                    |
| ELJNC82NK/JF | 82         |                |           |                               | 520                             | 0.73                          | 185                    |
| ELJNCR10K/JF | 100        |                | 10        | 25.2                          | 460                             | 0.80                          | 175                    |
| ELJNCR12K/JF | 120        |                |           |                               | 400                             | 0.87                          | 170                    |
| ELJNCR15K/JF | 150        |                |           |                               | 340                             | 0.98                          | 160                    |
| ELJNCR18K/JF | 180        |                |           |                               | 300                             | 1.05                          | 155                    |
| ELJNCR22K/JF | 220        |                |           |                               | 260                             | 1.15                          | 145                    |
| ELJNCR27K/JF | 270        |                |           |                               | 230                             | 1.25                          | 140                    |
| ELJNCR33K/JF | 330        | 200            |           |                               | 1.37                            | 135                           |                        |
| ELJNCR39K/JF | 390        | 180            |           |                               | 1.47                            | 130                           |                        |
| ELJNCR47K/JF | 470        | 160            |           |                               | 1.58                            | 125                           |                        |
| ELJNCR56K/JF | 560        | 145            |           |                               | 1.70                            | 120                           |                        |
| ELJNCR68K/JF | 680        | 130            |           |                               | 1.85                            | 110                           |                        |
| ELJNCR82K/JF | 820        | 100            |           |                               | 2.10                            | 100                           |                        |

\*1 : Self Resonant Frequency \*2 : DC Resistance

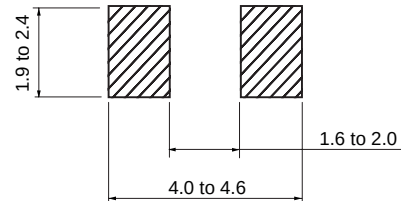
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 3225(1210)NA

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



#### ■ Standard Packing Quantity

- 2000 pcs./Reel

#### ■ Examples

| Part No.   | Inductance |             |           | Q    |             | SRF * <sup>1</sup><br>(MHz)min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-------------|-----------|------|-------------|---------------------------------|-------------------------------|------------------------|
|            | (μH)       | Freq. (MHz) | Tolerance | min. | Freq. (MHz) |                                 |                               |                        |
| ELJNA47NMF | 0.047      | 100         | ±20 %     | 10   | 100         | 680                             | 0.20                          | 450                    |
| ELJNA56NMF | 0.056      |             |           |      |             | 600                             | 0.22                          | 420                    |
| ELJNA68NMF | 0.068      |             |           |      |             | 540                             | 0.25                          | 400                    |
| ELJNA82NMF | 0.082      |             |           |      |             | 500                             | 0.27                          | 380                    |
| ELJNAR10MF | 0.100      |             |           |      |             | 450                             | 0.30                          | 360                    |
| ELJNAR12MF | 0.120      | 25.2        | ±10 %     |      | 25.2        | 400                             | 0.67                          | 240                    |
| ELJNAR15MF | 0.150      |             |           |      |             | 350                             | 0.72                          | 230                    |
| ELJNAR18MF | 0.180      |             |           |      |             | 320                             | 0.81                          | 220                    |
| ELJNAR22KF | 0.220      | 280         |           |      |             | 0.90                            | 210                           |                        |
| ELJNAR27KF | 0.270      | 250         |           |      |             | 1.00                            | 200                           |                        |
| ELJNAR33KF | 0.330      | 220         |           | 1.10 |             | 190                             |                               |                        |
| ELJNAR39KF | 0.390      | 200         |           | 1.20 |             | 180                             |                               |                        |
| ELJNAR47KF | 0.470      | 180         |           | 1.40 |             | 175                             |                               |                        |
| ELJNAR56KF | 0.560      | 160         |           | 1.50 |             | 170                             |                               |                        |
| ELJNAR68KF | 0.680      | 150         |           | 1.70 |             | 155                             |                               |                        |
| ELJNAR82KF | 0.820      | 135         | 1.90      | 145  |             |                                 |                               |                        |
| ELJNA1R0JF | 1.000      | 1.0         | ± 5 %     | 13   | 7.96        | 120                             | 2.10                          | 125                    |
| ELJNA1R2JF | 1.200      |             |           |      |             | 110                             | 2.30                          | 120                    |
| ELJNA1R5JF | 1.500      |             |           |      |             | 95                              | 2.70                          | 115                    |
| ELJNA1R8JF | 1.800      |             |           |      |             | 85                              | 3.00                          | 110                    |
| ELJNA2R2JF | 2.200      |             |           |      |             | 80                              | 3.20                          | 110                    |
| ELJNA2R7JF | 2.700      |             |           |      |             | 70                              | 3.60                          | 105                    |
| ELJNA3R3JF | 3.300      |             |           |      |             | 62                              | 4.20                          | 100                    |
| ELJNA3R9JF | 3.900      |             |           |      |             | 57                              | 4.40                          | 95                     |
| ELJNA4R7JF | 4.700      |             |           |      |             | 52                              | 7.70                          | 70                     |
| ELJNA5R6JF | 5.600      |             |           |      |             | 46                              | 8.70                          | 65                     |
| ELJNA6R8JF | 6.800      |             |           |      |             | 42                              | 10.00                         | 60                     |
| ELJNA8R2JF | 8.200      |             |           |      |             | 38                              | 11.00                         | 60                     |

\*1 : Self Resonant Frequency \*2 : DC Resistance

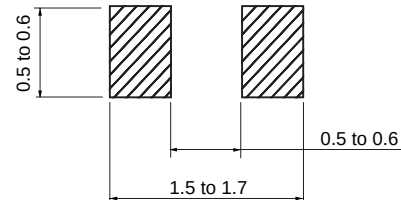
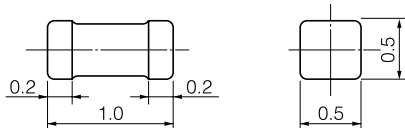
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Should a safety concern arise regarding this product, please be sure to contact us immediately.

## 2. Type Non Wound (High-Q) QF, QE

### ■ Type 1005(0402)QF

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 10000 pcs./Reel

### ■ Examples

Example

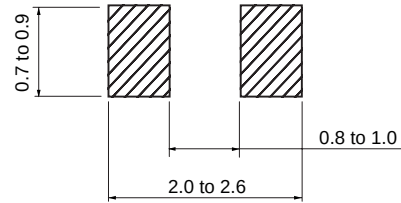
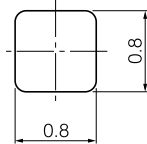
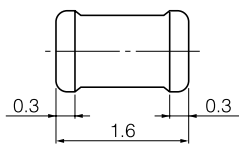
| Part No.     | Inductance |           |                | Q               |                 | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |      |     |
|--------------|------------|-----------|----------------|-----------------|-----------------|---------------------|-------------------|------------------------|------|-----|
|              | (μH)       | Tolerance | Freq.<br>(MHz) | 100 MHz<br>min. | 800 MHz<br>typ. |                     |                   |                        |      |     |
| ELJQF1N0D/ZF | 1.0        | ±0.3 nH   | ±0.2 nH        | 100             | 10              | 41                  | 6000              | 0.05                   | 400  |     |
| ELJQF1N2D/ZF | 1.2        |           |                |                 |                 |                     | 6000              | 0.06                   | 400  |     |
| ELJQF1N5D/ZF | 1.5        |           |                |                 |                 | 40                  | 6000              | 0.07                   | 400  |     |
| ELJQF1N8D/ZF | 1.8        |           |                |                 |                 |                     | 6000              | 0.08                   | 400  |     |
| ELJQF2N2D/ZF | 2.2        |           |                |                 |                 |                     | 6000              | 0.09                   | 400  |     |
| ELJQF2N7D/ZF | 2.7        |           |                |                 |                 |                     | 5500              | 0.10                   | 400  |     |
| ELJQF3N3D/ZF | 3.3        |           |                |                 |                 | 39                  | 5500              | 0.12                   | 400  |     |
| ELJQF3N9D/ZF | 3.9        |           |                |                 |                 |                     | 5200              | 0.15                   | 360  |     |
| ELJQF4N7D/ZF | 4.7        |           |                |                 |                 |                     | 4800              | 0.17                   | 360  |     |
| ELJQF5N6D/ZF | 5.6        |           |                |                 |                 |                     | 4600              | 0.19                   | 340  |     |
| ELJQF6N8J/ZF | 6.8        | ±5 %      |                |                 |                 |                     | ±2 %              | 4000                   | 0.30 | 320 |
| ELJQF8N2J/ZF | 8.2        |           |                |                 |                 |                     |                   | 3500                   | 0.35 | 320 |
| ELJQF10NJ/GF | 10.0       |           | 2800           |                 |                 |                     |                   | 0.41                   | 320  |     |
| ELJQF12NJ/GF | 12.0       |           | 38             |                 |                 |                     |                   | 2800                   | 0.45 | 320 |
| ELJQF15NJ/GF | 15.0       | 36        |                |                 |                 | 2500                |                   | 0.60                   | 240  |     |
| ELJQF18NJ/GF | 18.0       |           |                |                 |                 | 2200                |                   | 0.70                   | 240  |     |
| ELJQF22NJ/GF | 22.0       |           |                |                 |                 | 2200                |                   | 0.80                   | 200  |     |
| ELJQF27NJ/GF | 27.0       |           | 1800           |                 |                 | 1.20                |                   | 200                    |      |     |
| ELJQF33NJ/GF | 33.0       | 35        |                |                 |                 | 1800                |                   | 1.40                   | 170  |     |
| ELJQF39NJ/GF | 39.0       |           |                |                 |                 | 1800                |                   | 1.70                   | 150  |     |

\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 1608(0603)QE

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 3000 pcs./Reel

### ■ Examples

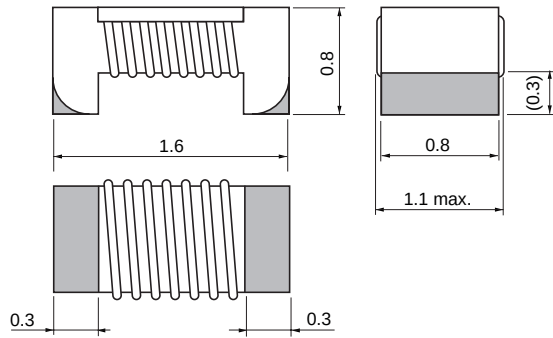
| Part No.     | Inductance |           |                | Q               |                 | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|-----------|----------------|-----------------|-----------------|---------------------|-------------------|------------------------|
|              | (μH)       | Tolerance | Freq.<br>(MHz) | 100 MHz<br>min. | 800 MHz<br>typ. |                     |                   |                        |
| ELJQE1N0D/ZF | 1.0        | ±0.3 nH   | ±0.2 nH        | 250             | 250             | 6000                | 0.05              | 500                    |
| ELJQE1N2D/ZF | 1.2        |           |                |                 |                 | 6000                | 0.06              | 500                    |
| ELJQE1N5D/ZF | 1.5        |           |                |                 |                 | 6000                | 0.07              | 500                    |
| ELJQE1N8D/ZF | 1.8        |           |                |                 |                 | 6000                | 0.08              | 500                    |
| ELJQE2N2D/ZF | 2.2        |           |                |                 |                 | 6000                | 0.09              | 500                    |
| ELJQE2N7D/ZF | 2.7        |           |                |                 |                 | 6000                | 0.10              | 500                    |
| ELJQE3N3D/ZF | 3.3        |           |                |                 |                 | 5500                | 0.12              | 500                    |
| ELJQE3N9D/ZF | 3.9        |           |                |                 |                 | 5500                | 0.15              | 450                    |
| ELJQE4N7D/ZF | 4.7        |           |                |                 |                 | 4800                | 0.17              | 450                    |
| ELJQE5N6D/ZF | 5.6        |           |                |                 |                 | 4600                | 0.18              | 430                    |
| ELJQE6N8J/ZF | 6.8        | ±5 %      | ±2 %           | 250             | 250             | 3550                | 0.20              | 430                    |
| ELJQE8N2J/ZF | 8.2        |           |                |                 |                 | 3500                | 0.28              | 400                    |
| ELJQE10NJ/GF | 10.0       |           |                |                 |                 | 2800                | 0.32              | 400                    |
| ELJQE12NJ/GF | 12.0       |           |                |                 |                 | 2800                | 0.35              | 400                    |
| ELJQE15NJ/GF | 15.0       |           |                |                 |                 | 2500                | 0.41              | 350                    |
| ELJQE18NJ/GF | 18.0       |           |                |                 |                 | 2300                | 0.45              | 350                    |
| ELJQE22NJ/GF | 22.0       |           |                |                 |                 | 2000                | 0.50              | 300                    |
| ELJQE27NJ/GF | 27.0       |           |                |                 |                 | 2000                | 0.55              | 300                    |
| ELJQE33NJ/GF | 33.0       |           |                |                 |                 | 1800                | 0.60              | 300                    |
| ELJQE39NJ/GF | 39.0       |           |                |                 |                 | 1800                | 0.80              | 300                    |
| ELJQE47NJ/GF | 47.0       | ±2 %      | 200            | 200             | 200             | 1800                | 0.95              | 250                    |
| ELJQE56NJ/GF | 56.0       |           |                |                 |                 | 1800                | 1.20              | 250                    |
| ELJQE68NJ/GF | 68.0       |           |                |                 |                 | 1500                | 1.30              | 250                    |

\*1 : Self Resonant Frequency \*2 : DC Resistance

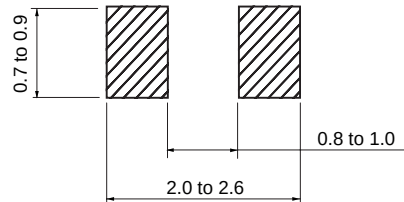
### 3. Normal Types FJ, FC, FA, FB

#### ■ Type 1608(0603)FJ

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



#### ■ Standard Packing Quantity

● 3000 pcs./Reel

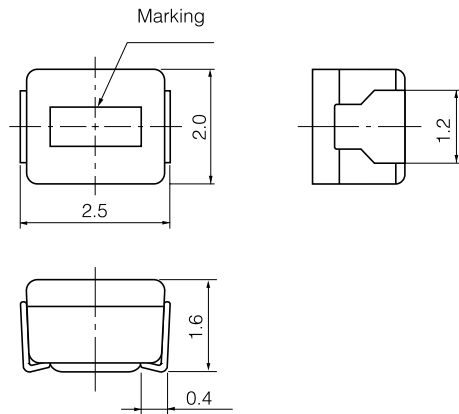
#### ■ Examples

| Part No.    | Inductance |           | Q<br>min. | L, Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>( $\Omega$ )max. | DC Current<br>(mA)max. |
|-------------|------------|-----------|-----------|------------------------------|---------------------|----------------------------|------------------------|
|             | (nH)       | Tolerance |           |                              |                     |                            |                        |
| ELJFJR10JF2 | 100        | $\pm 5\%$ | 40        | 150                          | 1600                | 0.30                       | 400                    |
| ELJFJR12JF2 | 120        |           |           |                              | 1500                | 0.37                       | 360                    |
| ELJFJR15JF2 | 150        |           |           |                              | 1350                | 0.60                       | 280                    |
| ELJFJR18JF2 | 180        |           | 35        | 100                          | 1250                | 0.68                       | 270                    |
| ELJFJR22JF2 | 220        |           |           |                              | 1150                | 1.06                       | 210                    |
| ELJFJR27JF2 | 270        |           |           |                              | 1150                | 1.40                       | 180                    |
| ELJFJR33JF2 | 330        |           |           |                              | 1100                | 1.66                       | 160                    |
| ELJFJR39JF2 | 390        |           |           |                              | 900                 | 2.25                       | 140                    |

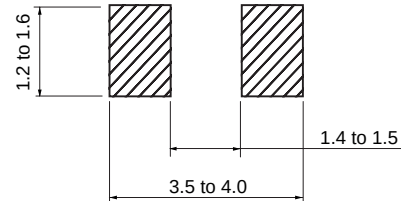
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 2520(1008)FC

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



#### ■ Standard Packing Quantity

- 2000 pcs./Reel

#### ■ Examples

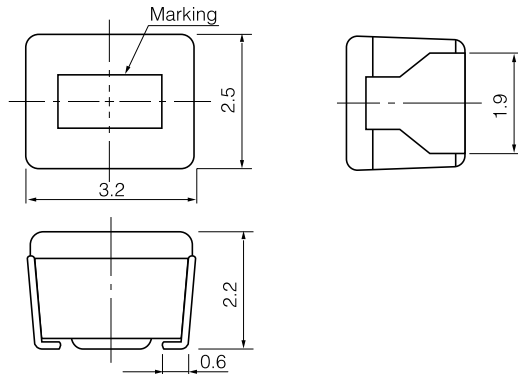
| Part No.     | Inductance |                | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|----------------|-----------|-------------------------------|---------------------|-------------------|------------------------|
|              | (μH)       | Tolerance      |           |                               |                     |                   |                        |
| ELJFCR22M/KF | 0.22       | ±20 %<br>±10 % | 25        | 25.2                          | 230                 | 0.70              | 190                    |
| ELJFCR27M/KF | 0.27       |                |           |                               | 210                 | 0.75              | 180                    |
| ELJFCR33M/KF | 0.33       |                |           |                               | 190                 | 0.85              | 170                    |
| ELJFCR39M/KF | 0.39       |                |           |                               | 175                 | 0.95              | 160                    |
| ELJFCR47M/KF | 0.47       |                |           |                               | 160                 | 1.00              | 155                    |
| ELJFCR56M/KF | 0.56       |                |           |                               | 150                 | 1.10              | 150                    |
| ELJFCR68M/KF | 0.68       |                |           |                               | 135                 | 1.25              | 140                    |
| ELJFCR82M/KF | 0.82       |                |           |                               | 125                 | 1.40              | 130                    |
| ELJFC1R0K/JF | 1.00       | ±10 %<br>± 5 % |           | 7.96                          | 115                 | 0.65              | 195                    |
| ELJFC1R2K/JF | 1.20       |                |           |                               | 100                 | 0.75              | 180                    |
| ELJFC1R5K/JF | 1.50       |                |           |                               | 90                  | 0.85              | 170                    |
| ELJFC1R8K/JF | 1.80       |                |           |                               | 85                  | 0.95              | 160                    |
| ELJFC2R2K/JF | 2.20       |                |           |                               | 80                  | 1.05              | 155                    |
| ELJFC2R7K/JF | 2.70       |                |           |                               | 75                  | 1.20              | 145                    |
| ELJFC3R3K/JF | 3.30       |                |           |                               | 65                  | 1.30              | 135                    |
| ELJFC3R9K/JF | 3.90       |                |           |                               | 60                  | 1.40              | 130                    |
| ELJFC4R7K/JF | 4.70       |                |           |                               | 55                  | 1.55              | 125                    |
| ELJFC5R6K/JF | 5.60       |                |           |                               | 50                  | 1.75              | 120                    |
| ELJFC6R8K/JF | 6.80       |                |           |                               | 45                  | 1.95              | 115                    |
| ELJFC8R2K/JF | 8.20       |                |           |                               | 40                  | 2.20              | 105                    |
| ELJFC100K/JF | 10.00      |                |           | 2.52                          | 32                  | 3.50              | 80                     |
| ELJFC120K/JF | 12.00      |                |           |                               | 30                  | 3.80              | 75                     |
| ELJFC150K/JF | 15.00      |                |           |                               | 28                  | 4.40              | 70                     |
| ELJFC180K/JF | 18.00      |                |           |                               | 25                  | 5.00              | 65                     |
| ELJFC220K/JF | 22.00      |                |           |                               | 22                  | 5.80              | 60                     |
| ELJFC270K/JF | 27.00      |                |           |                               | 21                  | 6.30              | 115                    |
| ELJFC330K/JF | 33.00      |                |           |                               | 20                  | 7.10              | 110                    |
| ELJFC390K/JF | 39.00      |                |           |                               | 18                  | 9.50              | 90                     |
| ELJFC470K/JF | 47.00      |                |           |                               | 17                  | 11.00             | 80                     |
| ELJFC560K/JF | 56.00      |                |           |                               | 16                  | 12.10             | 75                     |
| ELJFC680K/JF | 68.00      |                |           |                               | 15                  | 16.60             | 70                     |
| ELJFC820K/JF | 82.00      |                |           |                               | 13                  | 19.00             | 65                     |
| ELJFC101K/JF | 100.00     | 15             | 0.796     | 12                            | 21.00               | 60                |                        |

\*1 : Self Resonant Frequency \*2 : DC Resistance

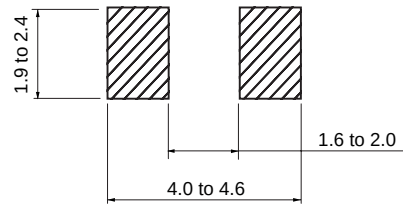
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 3225(1210)FA

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 2000 pcs./Reel

### ■ Examples

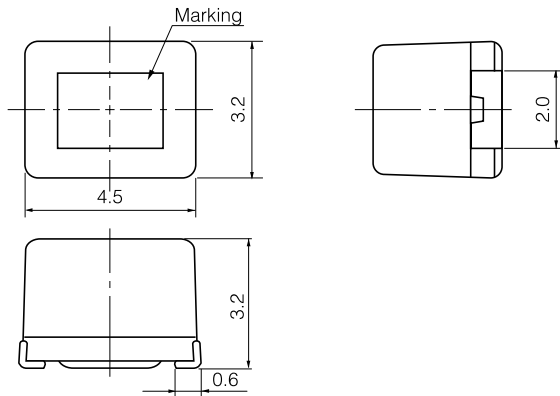
| Part No.      | Inductance |                | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|---------------|------------|----------------|-----------|-------------------------------|---------------------|-------------------|------------------------|
|               | (μH)       | Tolerance      |           |                               |                     |                   |                        |
| ELJFAR22M/KF2 | 0.22       | ±20 %<br>±10 % | 25        | 25.2                          | 230                 | 0.29              | 360                    |
| ELJFAR27M/KF2 | 0.27       |                |           |                               | 210                 | 0.32              | 345                    |
| ELJFAR33M/KF2 | 0.33       |                |           |                               | 190                 | 0.35              | 330                    |
| ELJFAR39M/KF2 | 0.39       |                |           |                               | 175                 | 0.39              | 305                    |
| ELJFAR47M/KF2 | 0.47       |                |           |                               | 160                 | 0.44              | 290                    |
| ELJFAR56M/KF2 | 0.56       |                |           |                               | 150                 | 0.49              | 275                    |
| ELJFAR68M/KF2 | 0.68       |                |           |                               | 135                 | 0.55              | 260                    |
| ELJFAR82M/KF2 | 0.82       |                |           |                               | 125                 | 0.61              | 245                    |
| ELJFA1R0K/JF2 | 1.00       | ±10 %<br>± 5 % | 30        | 7.96                          | 115                 | 0.69              | 230                    |
| ELJFA1R2K/JF2 | 1.20       |                |           |                               | 100                 | 0.75              | 215                    |
| ELJFA1R5K/JF  | 1.50       |                |           |                               | 90                  | 0.75              | 210                    |
| ELJFA1R8K/JF  | 1.80       |                |           |                               | 85                  | 0.82              | 200                    |
| ELJFA2R2K/JF  | 2.20       |                |           |                               | 80                  | 0.95              | 190                    |
| ELJFA2R7K/JF  | 2.70       |                |           |                               | 75                  | 1.10              | 180                    |
| ELJFA3R3K/JF  | 3.30       |                |           |                               | 65                  | 1.20              | 180                    |
| ELJFA3R9K/JF  | 3.90       |                |           |                               | 60                  | 1.30              | 175                    |
| ELJFA4R7K/JF  | 4.70       |                |           |                               | 55                  | 1.50              | 165                    |
| ELJFA5R6K/JF  | 5.60       |                |           |                               | 50                  | 1.60              | 160                    |
| ELJFA6R8K/JF  | 6.80       |                |           |                               | 45                  | 1.80              | 150                    |
| ELJFA8R2K/JF  | 8.20       |                |           |                               | 40                  | 2.00              | 140                    |
| ELJFA100K/JF  | 10.00      |                |           | 2.52                          | 36                  | 2.10              | 140                    |
| ELJFA120K/JF  | 12.00      |                |           |                               | 33                  | 2.50              | 125                    |
| ELJFA150K/JF  | 15.00      |                |           |                               | 30                  | 2.80              | 120                    |
| ELJFA180K/JF  | 18.00      |                |           |                               | 27                  | 3.30              | 110                    |
| ELJFA220K/JF  | 22.00      |                |           |                               | 25                  | 3.70              | 105                    |
| ELJFA270K/JF  | 27.00      |                |           |                               | 22                  | 5.00              | 90                     |
| ELJFA330K/JF  | 33.00      |                |           |                               | 20                  | 5.60              | 85                     |
| ELJFA390K/JF  | 39.00      |                |           |                               | 20                  | 6.40              | 80                     |
| ELJFA470K/JF  | 47.00      |                |           |                               | 15                  | 7.00              | 75                     |
| ELJFA560K/JF  | 56.00      |                |           |                               | 15                  | 8.00              | 70                     |
| ELJFA680K/JF  | 68.00      |                |           |                               | 15                  | 9.00              | 65                     |
| ELJFA820K/JF  | 82.00      |                |           |                               | 11                  | 10.00             | 60                     |
| ELJFA101K/JF  | 100.00     |                | 20        | 0.796                         | 10                  | 10.00             | 60                     |
| ELJFA121K/JF  | 120.00     |                |           |                               | 10                  | 11.00             | 55                     |
| ELJFA151K/JF  | 150.00     |                |           |                               | 8                   | 15.00             | 50                     |
| ELJFA181K/JF  | 180.00     |                |           |                               | 7                   | 17.00             | 50                     |
| ELJFA221K/JF  | 220.00     |                |           |                               | 7                   | 21.00             | 45                     |

\*1 : Self Resonant Frequency \*2 : DC Resistance

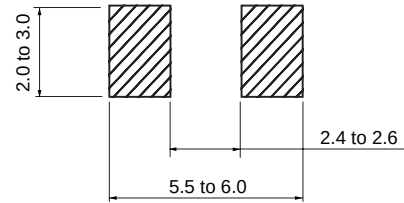
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 4532(1812)FB

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



■ Standard Packing Quantity

● 500 pcs./Reel

### ■ Examples

| Part No.     | Inductance |             |           | Q    |             | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|--------------|------------|-------------|-----------|------|-------------|---------------------|-------------------|------------------------|
|              | (μH)       | Freq. (MHz) | Tolerance | min. | Freq. (MHz) |                     |                   |                        |
| ELJFBR22MF   | 0.22       | 1.0         | ±20 %     | 30   | 25.2        | 230.0               | 0.30              | 700                    |
| ELJFBR27MF   | 0.27       |             |           |      |             | 200.0               | 0.32              | 650                    |
| ELJFBR33MF   | 0.33       |             |           |      |             | 180.0               | 0.35              | 630                    |
| ELJFBR39MF   | 0.39       |             |           |      |             | 155.0               | 0.37              | 620                    |
| ELJFBR47MF   | 0.47       |             |           |      |             | 135.0               | 0.40              | 580                    |
| ELJFBR56MF   | 0.56       |             |           |      |             | 120.0               | 0.42              | 560                    |
| ELJFBR68MF   | 0.68       |             |           |      |             | 105.0               | 0.48              | 530                    |
| ELJFBR82MF   | 0.82       |             |           |      |             | 90.0                | 0.50              | 500                    |
| ELJFB1R0M/KF | 1.00       |             |           |      |             | 80.0                | 0.52              | 470                    |
| ELJFB1R2M/KF | 1.20       |             |           |      |             | 70.0                | 0.55              | 460                    |
| ELJFB1R5M/KF | 1.50       |             | ±20 %     | 30   | 25.2        | 60.0                | 0.61              | 430                    |
| ELJFB1R8M/KF | 1.80       |             |           |      |             | 50.0                | 0.61              | 410                    |
| ELJFB2R2M/KF | 2.20       |             |           |      |             | 45.0                | 0.61              | 410                    |
| ELJFB2R7M/KF | 2.70       |             |           |      |             | 43.0                | 0.61              | 400                    |
| ELJFB3R3M/KF | 3.30       |             | ±10 %     | 50   | 7.96        | 39.0                | 0.66              | 380                    |
| ELJFB3R9M/KF | 3.90       |             |           |      |             | 36.0                | 0.74              | 360                    |
| ELJFB4R7M/KF | 4.70       |             |           |      |             | 33.0                | 0.81              | 350                    |
| ELJFB5R6M/KF | 5.60       |             |           |      |             | 30.0                | 0.88              | 330                    |
| ELJFB6R8M/KF | 6.80       |             |           |      |             | 26.0                | 1.00              | 310                    |
| ELJFB8R2M/KF | 8.20       |             |           |      |             | 24.0                | 1.60              | 250                    |
| ELJFB100K/JF | 10.00      |             |           |      |             | 22.0                | 1.80              | 235                    |
| ELJFB120K/JF | 12.00      |             |           |      |             | 20.0                | 1.90              | 225                    |
| ELJFB150K/JF | 15.00      |             |           |      |             | 18.0                | 2.10              | 215                    |
| ELJFB180K/JF | 18.00      |             |           |      |             | 16.0                | 2.30              | 205                    |
| ELJFB220K/JF | 22.00      | 0.1         | ±10 %     | 40   | 2.52        | 15.0                | 2.60              | 195                    |
| ELJFB270K/JF | 27.00      |             |           |      |             | 13.0                | 2.90              | 185                    |
| ELJFB330K/JF | 33.00      |             |           |      |             | 12.0                | 3.10              | 175                    |
| ELJFB390K/JF | 39.00      |             |           |      |             | 10.0                | 3.60              | 165                    |
| ELJFB470K/JF | 47.00      |             |           |      |             | 9.7                 | 4.20              | 130                    |
| ELJFB560K/JF | 56.00      |             |           |      |             | 9.0                 | 4.70              | 125                    |
| ELJFB680K/JF | 68.00      |             |           |      |             | 8.2                 | 5.30              | 115                    |
| ELJFB820K/JF | 82.00      |             |           |      |             | 7.5                 | 5.90              | 110                    |
| ELJFB101K/JF | 100.00     |             | ±5 %      | 30   | 1.5         | 6.7                 | 8.80              | 105                    |
| ELJFB121K/JF | 120.00     |             |           |      |             | 6.1                 | 10.00             | 100                    |
| ELJFB151K/JF | 150.00     |             |           |      |             | 5.5                 | 11.00             | 95                     |
| ELJFB181K/JF | 180.00     |             |           |      |             | 5.1                 | 13.00             | 85                     |
| ELJFB221K/JF | 220.00     |             |           |      |             | 4.5                 | 13.00             | 85                     |
| ELJFB271K/JF | 270.00     |             |           |      |             | 4.1                 | 14.00             | 80                     |
| ELJFB331K/JF | 330.00     |             |           |      | 0.796       | 3.7                 | 16.00             | 75                     |
| ELJFB391K/JF | 390.00     |             |           |      |             | 3.3                 | 19.00             | 70                     |
| ELJFB471K/JF | 470.00     |             |           |      |             | 3.3                 | 31.00             | 55                     |
| ELJFB561K/JF | 560.00     |             |           |      |             | 2.7                 | 35.00             | 50                     |
| ELJFB681K/JF | 680.00     |             |           |      |             | 2.5                 | 39.00             | 50                     |
| ELJFB821K/JF | 820.00     |             |           |      |             | 2.4                 | 45.00             | 45                     |
| ELJFB102K/JF | 1000.00    |             |           |      |             | 2.1                 | 53.00             | 40                     |

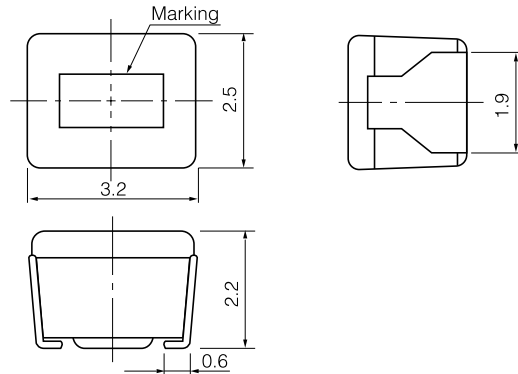
\*1 : Self Resonant Frequency \*2 : DC Resistance

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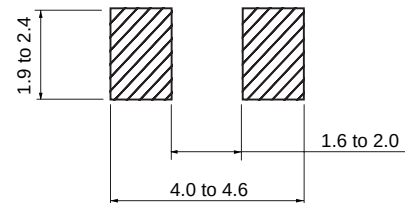
## 4. Magnetic Shielded Type SA

### ■ Type 3225(1210)SA

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 2000 pcs./1 reel

### ■ Examples

| Part No.   | Inductance |             |           | Q    |             | SRF * <sup>1</sup><br>(MHz)min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-------------|-----------|------|-------------|---------------------------------|-------------------------------|------------------------|
|            | (μH)       | Freq. (MHz) | Tolerance | min. | Freq. (MHz) |                                 |                               |                        |
| ELJSA100KF | 10         | 1.0         | ±10 %     | 40   | 5.0         | 30                              | 1.8                           | 18                     |
| ELJSA120KF | 12         |             |           |      |             | 28                              | 2.0                           | 17                     |
| ELJSA150KF | 15         |             |           |      |             | 25                              | 2.2                           | 15                     |
| ELJSA180KF | 18         |             |           |      |             | 23                              | 2.5                           | 13                     |
| ELJSA220KF | 22         |             |           |      |             | 20                              | 2.8                           | 12                     |
| ELJSA270KF | 27         |             |           |      |             | 18                              | 3.2                           | 10                     |
| ELJSA330KF | 33         |             |           |      |             | 17                              | 3.5                           | 10                     |
| ELJSA390KF | 39         |             |           |      |             | 15                              | 3.8                           | 9                      |
| ELJSA470KF | 47         |             |           |      |             | 14                              | 4.0                           | 8                      |
| ELJSA560KF | 56         |             |           |      |             | 13                              | 4.5                           | 7                      |
| ELJSA680KF | 68         | 0.1         |           |      | 1.5         | 12                              | 5.0                           | 6                      |
| ELJSA820KF | 82         |             |           |      |             | 11                              | 6.0                           | 6                      |
| ELJSA101KF | 100        |             |           |      |             | 10                              | 7.0                           | 5                      |
| ELJSA121KF | 120        |             |           |      |             | 9                               | 8.0                           | 5                      |
| ELJSA151KF | 150        |             |           |      |             | 5                               | 9.0                           | 5                      |
| ELJSA181KF | 180        |             |           |      |             | 5                               | 11.0                          | 5                      |
| ELJSA221KF | 220        |             |           |      |             | 4                               | 12.0                          | 5                      |
| ELJSA271KF | 270        |             |           |      |             | 4                               | 14.0                          | 5                      |

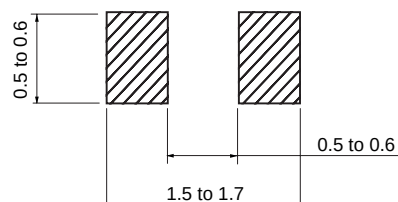
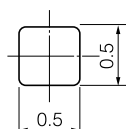
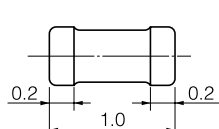
\*1 : Self Resonant Frequency \*2 : DC Resistance

## 5. High Power Types PF, PE, PC, PA, PB

### ■ Type 1005(0402)PF

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 10000 pcs./Reel

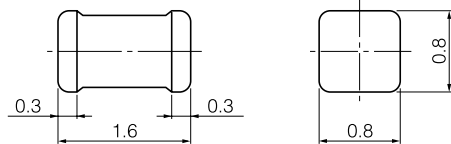
### ■ Examples

| Part No.   | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-----------|-----------|-------------------------------|---------------------|-------------------|------------------------|
|            | (nH)       | Tolerance |           |                               |                     |                   |                        |
| ELJPF2N2DF | 2.2        | ± 0.3 nH  | 7         | 100                           | 5300                | 0.04              | 1900                   |
| ELJPF2N7DF | 2.7        |           |           |                               | 5300                | 0.05              | 1800                   |
| ELJPF3N3DF | 3.3        |           |           |                               | 5000                | 0.07              | 1500                   |
| ELJPF3N9DF | 3.9        |           |           |                               | 4800                | 0.08              | 1400                   |
| ELJPF4N7DF | 4.7        |           |           |                               | 4600                | 0.10              | 1300                   |
| ELJPF5N6DF | 5.6        |           |           |                               | 4200                | 0.12              | 1200                   |
| ELJPF6N8JF | 6.8        | ± 5 %     |           |                               | 4000                | 0.16              | 1100                   |
| ELJPF8N2JF | 8.2        |           |           |                               | 3700                | 0.21              | 900                    |
| ELJPF10NJF | 10.0       |           |           |                               | 3200                | 0.26              | 750                    |

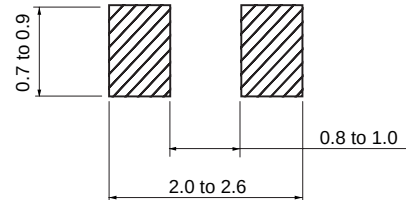
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 1608(0603)PE

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 3000 pcs./Reel

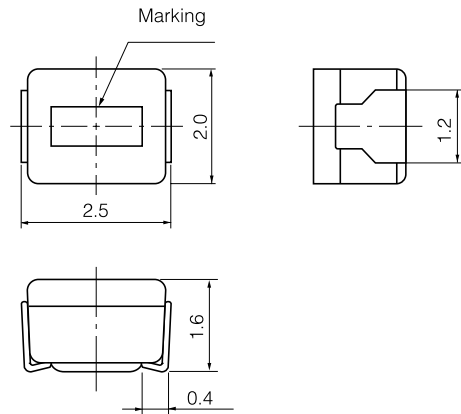
### ■ Examples

| Part No.   | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF * <sup>1</sup><br>(MHz) min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-----------|-----------|-------------------------------|----------------------------------|-------------------------------|------------------------|
|            | (nH)       | Tolerance |           |                               |                                  |                               |                        |
| ELJPE2N2KF | 2.2        | ± 10 %    | 8         | 100                           | 6000                             | 0.030                         | 2100                   |
| ELJPE2N7KF | 2.7        |           |           |                               | 5500                             | 0.030                         | 2100                   |
| ELJPE3N3KF | 3.3        |           |           |                               | 5500                             | 0.040                         | 2100                   |
| ELJPE3N9KF | 3.9        |           | 9         |                               | 5200                             | 0.040                         | 2100                   |
| ELJPE4N7KF | 4.7        |           |           |                               | 4800                             | 0.050                         | 2100                   |
| ELJPE5N6KF | 5.6        |           |           |                               | 4600                             | 0.055                         | 2100                   |
| ELJPE6N8KF | 6.8        |           |           |                               | 4000                             | 0.055                         | 1900                   |
| ELJPE8N2KF | 8.2        |           |           |                               | 3500                             | 0.060                         | 1700                   |
| ELJPE10NKF | 10.0       |           |           |                               | 2800                             | 0.065                         | 1400                   |
| ELJPE12NKF | 12.0       |           |           |                               | 2500                             | 0.080                         | 1300                   |
| ELJPE15NKF | 15.0       |           |           |                               | 2200                             | 0.100                         | 900                    |
| ELJPE18NKF | 18.0       |           |           |                               | 2000                             | 0.120                         | 800                    |
| ELJPE22NKF | 22.0       |           |           |                               | 1800                             | 0.150                         | 700                    |

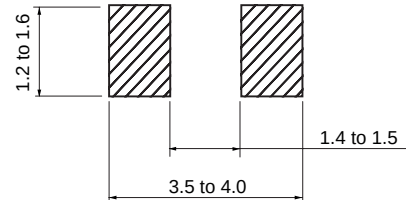
\*1 : Self Resonant Frequency \*2 : DC Resistance

### ■ Type 2520(1008)PC

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

- 2000 pcs./Reel

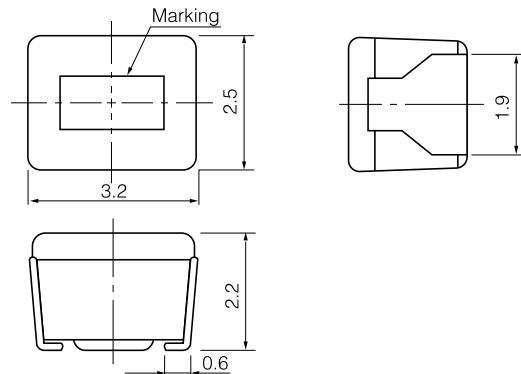
### ■ Examples

| Part No.   | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF * <sup>1</sup><br>(MHz)min. | DCR * <sup>2</sup><br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-----------|-----------|-------------------------------|---------------------------------|-------------------------------|------------------------|
|            | (μH)       | Tolerance |           |                               |                                 |                               |                        |
| ELJPC1R0MF | 1.0        | ±20 %     | 10        | 7.96                          | 95                              | 0.45                          | 475                    |
| ELJPC1R5MF | 1.5        |           |           |                               | 85                              | 0.55                          | 435                    |
| ELJPC2R2MF | 2.2        |           |           |                               | 65                              | 0.65                          | 390                    |
| ELJPC3R3MF | 3.3        |           |           |                               | 55                              | 0.85                          | 340                    |
| ELJPC4R7MF | 4.7        |           |           |                               | 43                              | 1.20                          | 285                    |
| ELJPC6R8KF | 6.8        | ±10 %     | 8.5       | 2.52                          | 44                              | 1.30                          | 170                    |
| ELJPC100KF | 10.0       |           | 20        |                               | 32                              | 2.20                          | 210                    |
| ELJPC120KF | 12.0       |           |           |                               | 25                              | 2.70                          | 195                    |
| ELJPC150KF | 15.0       |           |           |                               | 21                              | 3.20                          | 175                    |
| ELJPC220KF | 22.0       |           |           |                               | 18                              | 4.00                          | 160                    |
| ELJPC330KF | 33.0       | 16        |           | 6.50                          | 120                             |                               |                        |

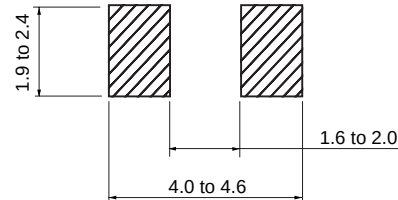
\*1 : Self Resonant Frequency \*2 : DC Resistance

# Type 3225(1210)PA

● Dimensions in mm (not to scale)



● Recommended Land Pattern in mm (not to scale)



## Standard Packing Quantity

● 2000 pcs./Reel

## Examples

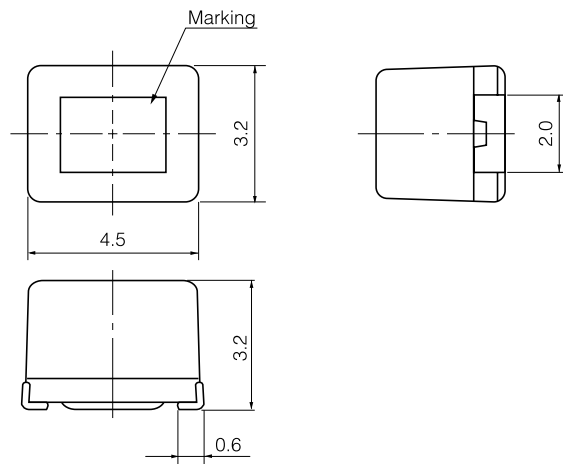
| Part No.   | Inductance |            | Q<br>min. | L, Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>( $\Omega$ )max. | DC Current<br>(mA)max. |
|------------|------------|------------|-----------|------------------------------|---------------------|----------------------------|------------------------|
|            | ( $\mu$ H) | Tolerance  |           |                              |                     |                            |                        |
| ELJPA1R0MF | 1.0        | $\pm 20\%$ | 7         | 7.96                         | 150.0               | 0.15                       | 600                    |
| ELJPA1R5MF | 1.5        |            |           |                              | 110.0               | 0.18                       | 550                    |
| ELJPA2R2MF | 2.2        |            |           |                              | 80.0                | 0.23                       | 500                    |
| ELJPA3R3MF | 3.3        |            |           |                              | 58.0                | 0.28                       | 400                    |
| ELJPA4R7MF | 4.7        |            |           |                              | 46.0                | 0.34                       | 350                    |
| ELJPA6R8MF | 6.8        |            |           |                              | 38.0                | 0.42                       | 300                    |
| ELJPA100KF | 10.0       | $\pm 10\%$ | 15        | 2.52                         | 23.0                | 0.50                       | 240                    |
| ELJPA120KF | 12.0       |            |           |                              | 21.0                | 0.60                       | 230                    |
| ELJPA150KF | 15.0       |            |           |                              | 18.0                | 0.74                       | 220                    |
| ELJPA180KF | 18.0       |            |           |                              | 17.0                | 0.90                       | 205                    |
| ELJPA220KF | 22.0       |            |           |                              | 15.0                | 1.15                       | 185                    |
| ELJPA270KF | 27.0       |            |           |                              | 13.0                | 1.45                       | 165                    |
| ELJPA330KF | 33.0       |            |           |                              | 12.0                | 1.65                       | 155                    |
| ELJPA390KF | 39.0       |            |           |                              | 11.0                | 1.90                       | 145                    |
| ELJPA470KF | 47.0       |            |           |                              | 9.5                 | 2.25                       | 135                    |
| ELJPA560KF | 56.0       |            |           |                              | 8.5                 | 3.30                       | 110                    |
| ELJPA680KF | 68.0       |            |           |                              | 7.5                 | 3.70                       | 105                    |
| ELJPA820KF | 82.0       |            |           |                              | 7.0                 | 4.20                       | 100                    |
| ELJPA101KF | 100.0      |            | 20        | 0.796                        | 6.5                 | 5.00                       | 90                     |
| ELJPA121KF | 120.0      |            |           |                              | 6.0                 | 7.00                       | 75                     |
| ELJPA151KF | 150.0      |            |           |                              | 5.5                 | 8.00                       | 70                     |
| ELJPA181KF | 180.0      |            |           |                              | 5.0                 | 9.50                       | 65                     |
| ELJPA221KF | 220.0      |            |           |                              | 4.0                 | 11.00                      | 60                     |
| ELJPA271KF | 270.0      |            |           |                              | 3.5                 | 14.50                      | 55                     |
| ELJPA331KF | 330.0      |            |           |                              | 3.0                 | 16.00                      | 50                     |

\*1 : Self Resonant Frequency \*2 : DC Resistance

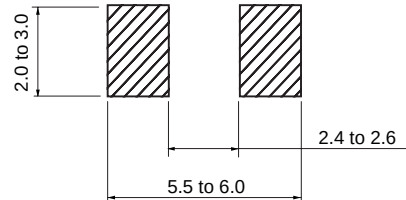
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

### ■ Type 4532(1812)PB

#### ● Dimensions in mm (not to scale)



#### ● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

- 500 pcs./Reel

### ■ Examples

| Part No.   | Inductance |           | Q<br>min. | L , Q<br>Test Freq.<br>( MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-----------|-----------|-------------------------------|---------------------|-------------------|------------------------|
|            | (μH)       | Tolerance |           |                               |                     |                   |                        |
| ELJPB100KF | 10         | ±10 %     | 10        | 2.52                          | 19.0                | 0.65              | 360                    |
| ELJPB120KF | 12         |           |           |                               | 17.0                | 0.70              | 340                    |
| ELJPB150KF | 15         |           |           |                               | 15.0                | 0.80              | 320                    |
| ELJPB180KF | 18         |           |           |                               | 14.0                | 0.90              | 310                    |
| ELJPB220KF | 22         |           |           |                               | 13.0                | 1.00              | 300                    |
| ELJPB270KF | 27         |           |           |                               | 11.0                | 1.20              | 270                    |
| ELJPB330KF | 33         |           |           |                               | 10.0                | 1.40              | 250                    |
| ELJPB390KF | 39         |           |           |                               | 9.5                 | 1.60              | 230                    |
| ELJPB470KF | 47         |           |           |                               | 8.5                 | 1.90              | 210                    |
| ELJPB560KF | 56         |           |           |                               | 8.0                 | 2.20              | 190                    |
| ELJPB680KF | 68         |           |           |                               | 7.0                 | 2.60              | 170                    |
| ELJPB820KF | 82         |           |           |                               | 6.5                 | 3.50              | 160                    |
| ELJPB101KF | 100        |           | 20        | 0.796                         | 6.0                 | 4.00              | 150                    |
| ELJPB121KF | 120        |           |           |                               | 5.5                 | 4.50              | 130                    |
| ELJPB151KF | 150        |           |           |                               | 5.0                 | 6.50              | 120                    |
| ELJPB181KF | 180        |           |           |                               | 4.5                 | 7.50              | 110                    |
| ELJPB221KF | 220        |           |           |                               | 4.0                 | 9.00              | 90                     |

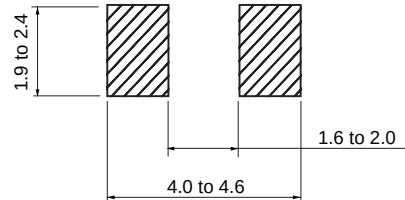
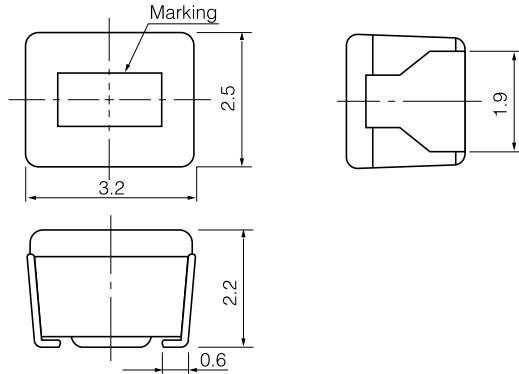
\*1 : Self Resonant Frequency \*2 : DC Resistance

## 6. Low DC resistance Type EA

### ■ Type 3225(1210)EA

● Dimensions in mm (not to scale)

● Recommended Land Pattern in mm (not to scale)



### ■ Standard Packing Quantity

● 2000 pcs./Reel

### ■ Examples

| Part No.   | Inductance |           | Q<br>min. | L, Q<br>Test Freq.<br>(MHz) | SRF *1<br>(MHz)min. | DCR *2<br>(Ω)max. | DC Current<br>(mA)max. |
|------------|------------|-----------|-----------|-----------------------------|---------------------|-------------------|------------------------|
|            | (μH)       | Tolerance |           |                             |                     |                   |                        |
| ELJEA1R0MF | 1.0        | ±20 %     | 7         | 7.96                        | 100.0               | 0.09              | 500                    |
| ELJEA1R5MF | 1.5        |           |           |                             | 80.0                | 0.10              | 390                    |
| ELJEA2R2MF | 2.2        |           |           |                             | 65.0                | 0.13              | 350                    |
| ELJEA3R3MF | 3.3        |           |           |                             | 50.0                | 0.16              | 270                    |
| ELJEA4R7MF | 4.7        |           |           |                             | 46.0                | 0.18              | 240                    |
| ELJEA6R8MF | 6.8        |           |           |                             | 36.0                | 0.25              | 200                    |
| ELJEA100KF | 10.0       | ±10 %     | 10        | 2.52                        | 29.0                | 0.34              | 160                    |
| ELJEA150KF | 15.0       |           |           |                             | 25.0                | 0.42              | 145                    |
| ELJEA220KF | 22.0       |           |           |                             | 18.0                | 0.65              | 115                    |
| ELJEA330KF | 33.0       |           |           |                             | 16.0                | 0.91              | 95                     |
| ELJEA470KF | 47.0       |           |           |                             | 13.0                | 1.30              | 80                     |
| ELJEA680KF | 68.0       |           |           |                             | 10.0                | 1.95              | 60                     |
| ELJEA101KF | 100.0      |           | 20        | 0.796                       | 8.0                 | 3.12              | 50                     |
| ELJEA151KF | 150.0      |           |           |                             | 7.0                 | 4.03              | 45                     |
| ELJEA221KF | 220.0      |           |           |                             | 5.0                 | 7.15              | 35                     |
| ELJEA331KF | 330.0      |           |           |                             | 4.0                 | 9.23              | 30                     |

\*1 : Self Resonant Frequency \*2 : DC Resistance