

Part 5142-334K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	330 μ H	
Tolerance	± 10	
Q		
SRF	4.6 MHz	
DCR	1.15 Ω	
Max Current	490 mA	
Inc Current	580 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Part 5142R-106K		Check Stock
Series	5142R	
Type	Power Inductors	
Description	Surface Mount Power Inductor - RoHS	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	Yes	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	10000 μ H	
Tolerance	± 10	
Q		
SRF	0.6 MHz	
DCR	38 Ω	
Max Current	85 mA	
Inc Current	100 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

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

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

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

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

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

Part 5142-184K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	180 μ H	
Tolerance	± 10	
Q		
SRF	6.5 MHz	
DCR	0.66 Ω	
Max Current	650 mA	
Inc Current	780 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Part 5142-124K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	120 μ H	
Tolerance	± 10	
Q		
SRF	8 MHz	
DCR	0.43 Ω	
Max Current	800 mA	
Inc Current	960 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-274K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	270 μ H	
Tolerance	± 10	
Q		
SRF	5.2 MHz	
DCR	0.87 Ω	
Max Current	565 mA	
Inc Current	640 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-225K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	2200 μ H	
Tolerance	± 10	
Q		
SRF	1.5 MHz	
DCR	7.8 Ω	
Max Current	190 mA	
Inc Current	230 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-185K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	1800 μ H	
Tolerance	± 10	
Q		
SRF	1.7 MHz	
DCR	6.5 Ω	
Max Current	205 mA	
Inc Current	250 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-183K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	18 μ H	
Tolerance	± 10	
Q		
SRF	21 MHz	
DCR	0.11 Ω	
Max Current	1595 mA	
Inc Current	2500 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-155K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	1500 μ H	
Tolerance	± 10	
Q		
SRF	1.9 MHz	
DCR	6 Ω	
Max Current	215 mA	
Inc Current	270 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-154K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	150 μ H	
Tolerance	± 10	
Q		
SRF	7.3 MHz	
DCR	0.5 Ω	
Max Current	740 mA	
Inc Current	860 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-275K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	2700 μ H	
Tolerance	± 10	
Q		
SRF	1.3 MHz	
DCR	8.7 Ω	
Max Current	175 mA	
Inc Current	200 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-125K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	1200 μ H	
Tolerance	± 10	
Q		
SRF	2.1 MHz	
DCR	4.4 Ω	
Max Current	250 mA	
Inc Current	300 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-273K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	27 μ H	
Tolerance	± 10	
Q		
SRF	18 MHz	
DCR	0.15 Ω	
Max Current	1365 mA	
Inc Current	2040 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-123K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	12 μ H	
Tolerance	± 10	
Q		
SRF	28 MHz	
DCR	0.075 Ω	
Max Current	1930 mA	
Inc Current	3200 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-106K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	10000 μ H	
Tolerance	± 10	
Q		
SRF	0.6 MHz	
DCR	38 Ω	
Max Current	85 mA	
Inc Current	100 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-105K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	1000 μ H	
Tolerance	± 10	
Q		
SRF	2.3 MHz	
DCR	3.6 Ω	
Max Current	275 mA	
Inc Current	330 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-104K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	100 μ H	
Tolerance	± 10	
Q		
SRF	9 MHz	
DCR	0.36 Ω	
Max Current	880 mA	
Inc Current	1040 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-103K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	10 μ H	
Tolerance	± 10	
Q		
SRF	30 MHz	
DCR	0.07 Ω	
Max Current	2000 mA	
Inc Current	3400 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-223K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	22 μ H	
Tolerance	± 10	
Q		
SRF	19 MHz	
DCR	0.13 Ω	
Max Current	1465 mA	
Inc Current	2240 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

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

Part 5142-153K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	15 μ H	
Tolerance	± 10	
Q		
SRF	23 MHz	
DCR	0.095 Ω	
Max Current	1710 mA	
Inc Current	2800 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-564K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	560 μ H	
Tolerance	± 10	
Q		
SRF	3.3 MHz	
DCR	1.9 Ω	
Max Current	380 mA	
Inc Current	440 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-825K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	8200 μ H	
Tolerance	± 10	
Q		
SRF	0.7 MHz	
DCR	30 Ω	
Max Current	95 mA	
Inc Current	110 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-824K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	820 μ H	
Tolerance	± 10	
Q		
SRF	2.6 MHz	
DCR	2.9 Ω	
Max Current	310 mA	
Inc Current	360 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-823K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	82 μ H	
Tolerance	± 10	
Q		
SRF	10 MHz	
DCR	0.33 Ω	
Max Current	920 mA	
Inc Current	1160 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-685K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	6800 μ H	
Tolerance	± 10	
Q		
SRF	0.8 MHz	
DCR	26 Ω	
Max Current	100 mA	
Inc Current	130 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-684K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	680 μ H	
Tolerance	± 10	
Q		
SRF	2.9 MHz	
DCR	2.2 Ω	
Max Current	355 mA	
Inc Current	400 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-224K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	220 μ H	
Tolerance	± 10	
Q		
SRF	5.9 MHz	
DCR	0.8 Ω	
Max Current	590 mA	
Inc Current	720 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-565K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	5600 μ H	
Tolerance	± 10	
Q		
SRF	0.9 MHz	
DCR	20 Ω	
Max Current	115 mA	
Inc Current	140 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-333K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	33 μ H	
Tolerance	± 10	
Q		
SRF	16 MHz	
DCR	0.17 Ω	
Max Current	1280 mA	
Inc Current	1880 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-563K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	56 μ H	
Tolerance	± 10	
Q		
SRF	12 MHz	
DCR	0.2 Ω	
Max Current	1180 mA	
Inc Current	1400 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-335K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	3300 μ H	
Tolerance	± 10	
Q		
SRF	1.2 MHz	
DCR	11.7 Ω	
Max Current	155 mA	
Inc Current	180 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-474K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	470 μ H	
Tolerance	± 10	
Q		
SRF	3.6 MHz	
DCR	1.55 Ω	
Max Current	425 mA	
Inc Current	480 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-473K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	47 μ H	
Tolerance	± 10	
Q		
SRF	13 MHz	
DCR	0.19 Ω	
Max Current	1210 mA	
Inc Current	1500 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-395K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	3900 μ H	
Tolerance	± 10	
Q		
SRF	1.1 MHz	
DCR	15.5 Ω	
Max Current	130 mA	
Inc Current	170 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-394K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	390 μ H	
Tolerance	± 10	
Q		
SRF	4 MHz	
DCR	1.4 Ω	
Max Current	445 mA	
Inc Current	540 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-393K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	39 μ H	
Tolerance	± 10	
Q		
SRF	14 MHz	
DCR	0.18 Ω	
Max Current	1245 mA	
Inc Current	1680 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-475K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	4700 μ H	
Tolerance	± 10	
Q		
SRF	1 MHz	
DCR	17.5 Ω	
Max Current	125 mA	
Inc Current	150 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Part 5142-683K		Check Stock
Series	5142	
Type	Power Inductors	
Description	Surface Mount Power Inductor	
Mounting	Surface Mount	
Shielded	No	
QPL	No	
COTS	No	
ROHS	No	
MIL No.	Not Applicable	
Length	0.53 inches	
Width	0.42 inches	
Height	0.175 inches	
Lead Length		
Weight	1.4 grams	
Inductance	68 μ H	
Tolerance	± 10	
Q		
SRF	11 MHz	
DCR	0.28 Ω	
Max Current	1000 mA	
Inc Current	1260 mA	
Inc Current %	10 %	
Ind Test Freq	0.1 MHz	
Q Test Freq	0.1 MHz	
Core	Ferrite	
Sleeve	Not Applicable	

Parts

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

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

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