



RF Inductors

Ceramic Inductors



High frequency multi-layer chip inductors feature a monolithic body made of low loss ceramic and high conductivity metal electrodes to achieve optimal high frequency performance.

These RF chip inductors are compact in size and feature lead-free tin plated nickel barrier terminations and tape and reel packaging which makes them ideal for small size/high volume wireless applications.

Applications:

- CELL/PCS Modules
- Wireless LAN
- Broadband Components
- RFID
- RF Transceivers
- RoHS Compliant (Standard, "V" Code)
- Sn/Pb Terminations Optional ("T" Code)

Product Range Summary

EIA SIZE (mm)	RANGE	Q FACTOR (Min.)	SRF (Typ.)	TEMPERATURE RANGE	AEC-Q200 TEMPERATURE RANGE
0201 (0603)	0.6 - 39 nH	4 (100 MHz)	>21 GHz (1.0 nH)	-40°C to +100°C	-40°C to +105°C
0402 (1005)	1.0 - 120 nH	8 (100 MHz)	>21 GHz (1.0 nH)	-40°C to +100°C	-40°C to +105°C
0603 (1608)	1.0 - 220 nH	12 (100 MHz)	>23 GHz (1.0 nH)	-40°C to +100°C	Contact Factory



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Types of Markings



Mechanical Characteristics

Size	0201 (0603)		0402 (1005)		0603 (1608)		Characteristics
	Inches	mm	Inches	mm	Inches	mm	
Length	.024 ± .001"	(0.6 ± .03)	.039 ± .004"	(1.00 ± .10)	.063 ± .006"	(1.60 ± .15)	
Width	.012 ± .001"	(0.3 ± .03)	.020 ± .004"	(0.50 ± .10)	.031 ± .008"	(0.80 ± .15)	
Thickness	.012 ± .001"	(0.3 ± .03)	.020 ± .004"	(0.50 ± .10)	.031 ± .008"	(0.80 ± .15)	
End Band	.006 ± .002"	(0.15 ± 0.05)	.009 ± .004"	(0.23 ± .10)	.012 ± .004"	(0.30 ± .20)	

HOW TO ORDER

LRC	0201	B	J	10N	GV	001	B
Subfamily	Size	Type	Tolerance	Value	Termination	Special Code	Packaging
LRC = Inductor RF Ceramic Chip	0201 0402 0603	B = Polarity Half-Marked (all 0201)	C = ± 0.2 nH	See Table	GV = Ni/Sn (RoHS) NT = Ni/SnPb	001 = Default Catalog Item 002 = Automotive (AEC Q200)	B = Bulk (all sizes) T = 7" Reel Paper Tape R = 13" Reel Paper Tape W = Waffle Pack (0603)
			S = ± 0.3 nH				
		C = 0402 & 0603 (see "Marking")	J = ± 5%				
			K = ± 10%				

Example: LRC0201BJ10NGV001B is Ceramic Inductor, 0201, 10nH±5%, 250mA, Ni/Sn (RoHS), Polarity Half-Marked, Bulk



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Inductance Range / Electrical

Characteristics

Inductor Value		EIA Size	0201	0402	0603
Inductance		Tolerance			
nH	Code				
0.6	0N6	C, S	300 mA		
0.7	0N7		300 mA		
0.8	0N8		300 mA		
0.9	0N9		300 mA		
1.0	1N0		300 mA	300 mA	300 mA (S only)
1.2	1N2		300 mA	300 mA (S only)	300 mA (S only)
1.3	1N3		300 mA		
1.5	1N5		300 mA	300 mA (S only)	300 mA (S only)
1.8	1N8		300 mA	300 mA (S only)	300 mA (S only)
1.9	1N9		300 mA	300 mA (S only)	
2.0	2N0		300 mA	300 mA (S only)	
2.2	2N2		300 mA	300 mA (S only)	300 mA (S only)
2.3	2N3		300 mA		
2.4	2N4		300 mA	300 mA (S only)	
2.5	2N5		300 mA		
2.7	2N7		300 mA	300 mA (S only)	300 mA (S only)
3.0	3N0		300 mA	300 mA (S only)	
3.3	3N3	K, S	300 mA	300 mA	300 mA
3.6	3N6		300 mA	300 mA	
3.7	3N7		300 mA		
3.9	3N9		300 mA	300 mA	300 mA
4.3	4N3			300 mA	
4.7	4N7		300 mA	300 mA	300 mA
5.1	5N1		300 mA	300 mA	
5.6	5N6		300 mA	300 mA	300 mA
6.2	6N2	J, K		300 mA	
6.8	6N8		250 mA	250 mA	300 mA
7.5	7N5			250 mA	
8.2	8N2		250 mA	250 mA	300 mA
10	10N			250 mA	300 mA
12	12N		250 mA	250 mA	300 mA
13	13N		250 mA	250 mA	
15	15N		250 mA	250 mA	300 mA
18	18N		200 mA	200 mA	300 mA
22	22N		200 mA	200 mA	300 mA
23	23N			200 mA	
27	27N		200 mA	200 mA	300 mA
33	33N		200 mA	200 mA	300 mA
39	39N		200 mA	150 mA	300 mA
43	43N			150 mA	
47	47N			150 mA	300 mA
56	56N			150 mA	300 mA
68	68N			100 mA	300 mA
82	82N			100 mA	300 mA
100	R10			100 mA	300 mA
120	R12			100 mA	300 mA
150	R15				300 mA
180	R18				300 mA
220	R22				300 mA
270	R27				
330	R33				
390	R39				
420	R42				
560	R56				
680	R68				

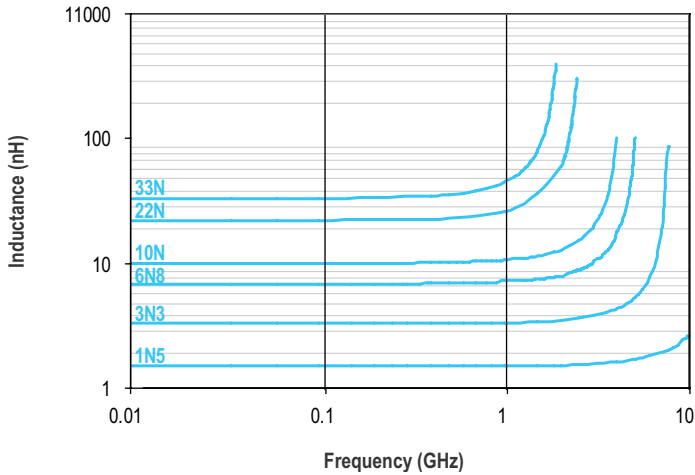


RF Inductors Ceramic Inductors

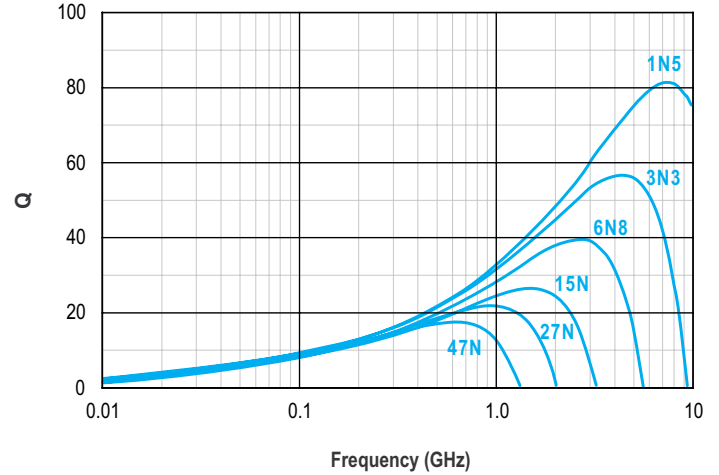
RF Characteristics

"Typical"

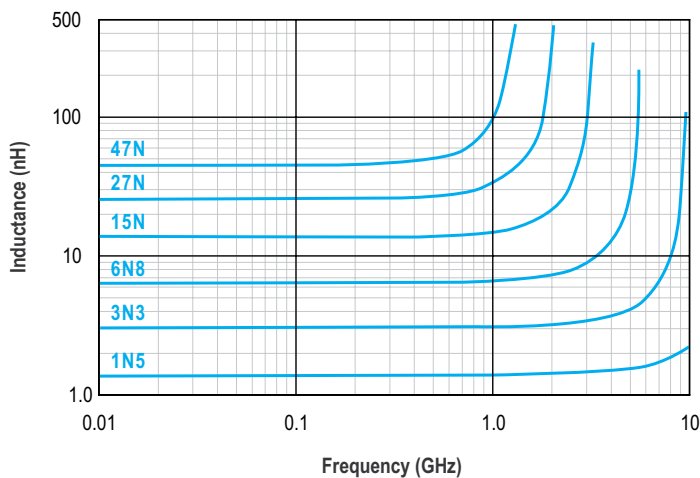
INDUCTANCE VS FREQUENCY: SIZE 0201



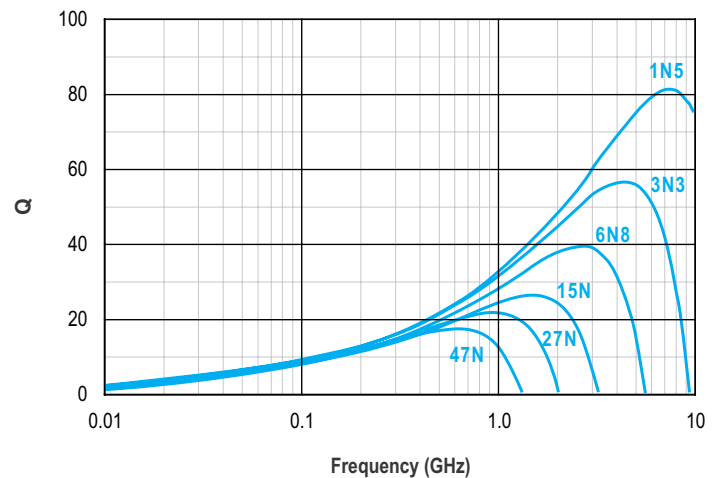
Q VS FREQUENCY: SIZE 0201



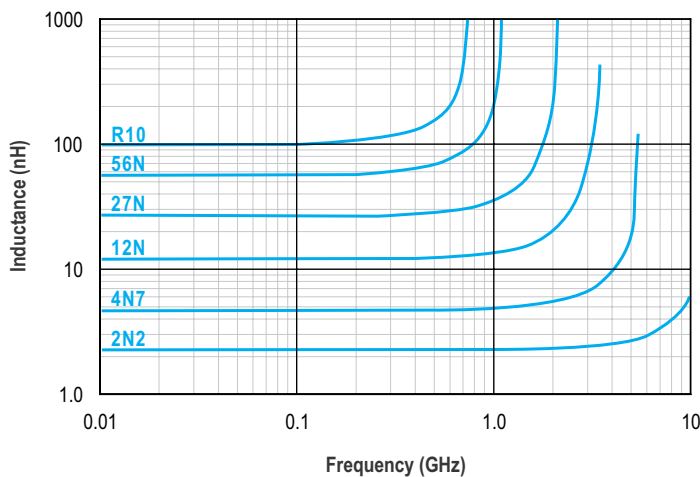
INDUCTANCE VS FREQUENCY: SIZE 0402



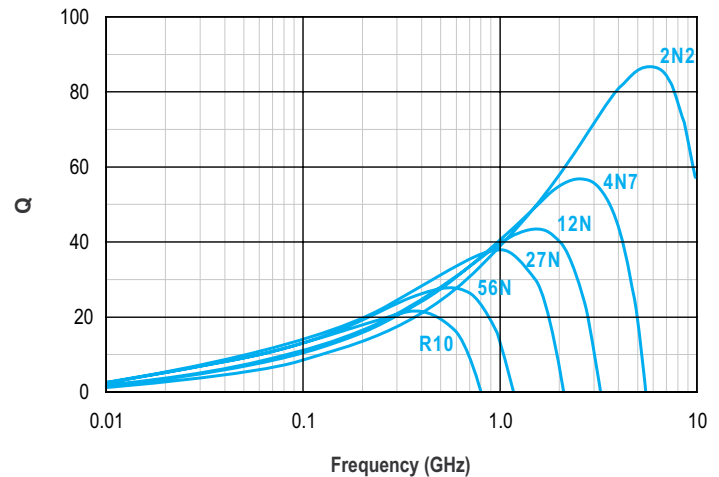
Q VS FREQUENCY: SIZE 0402



INDUCTANCE VS FREQUENCY: SIZE 0603



Q VS FREQUENCY: SIZE 0603





RF Inductors

WireWound Inductors

Johanson high frequency High-Q chip inductors feature a monolithic body made of low loss ceramic wound with wire to achieve optimal high frequency performance.

These RF chip inductors are compact in size and are provided on tape and reel packaging which makes them ideal for high volume RF applications. They feature a nickel barrier with a top plating of gold for the ceramic core types (all 0402, all 0603, and most 0805 types), and with a top plating of 100% tin for the ferrite core types (0805 size, 470 nH and higher). Most inductance values between those listed are available on request.

Features:

- Compact in Size
- Provided in Tape and Reel
- Nickel Barrier with a top plating of gold for ceramic core types

Applications:

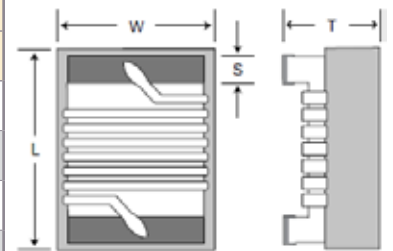
- CELL/PCS Modules
- Wireless LAN
- Broadband Components
- RF Transceivers
- RFID
- Cordless Phone
- Cable Modem
- Computer Peripherals
- Bluetooth
- ASDL

Product Range Summary

EIA Sie (mm)	L Range	Q Factor (Typ.)	SRF(Typ.)	Temperature
0402 (1005)	1.0 - 120 nH	55 (900 MHz)	>11 GHz (1.0 nH)	-40°C to +125°C
0603 (1608)	2.0 - 470 nH	60 (900 MHz)	>13 GHz (2.0 nH)	-40°C to +125°C
0805 (2012)	2.2 - 10,000 nH	60 (500 MHz)	>11 GHz (2.2 nH)	-40°C to +125°C

Mechanical Characteristics

Size	0402 (1005)		0603 (1608)		0805 (2012)	
	Inches	mm	Inches	mm	Inches	mm
Length	.039 ± .004"	(1.00 ± .10)	.039 ± .008"	(1.60 ± .20)	.079 ± .008"	(2.00 ± .20)
Width	.022 ± .004"	(0.55 ± .10)	.041 ± .008"	(1.05 ± .20)	.049 ± .008"	(1.25 ± .20)
Thickness	.020 ± .004"	(0.50 ± .10)	.041 ± .008"	(1.05 ± .20)	.047 ± .008"	(1.20 ± .20)
End Band	.008 ± .004"	(0.20 ± .10)	.014 ± .004"	(0.23 ± .10)	.016 ± .004"	(0.40 ± .10)



HOW TO ORDER

LRW	0402	W	S	1N0	GG	001	T
Device	Size	Type	Tolerance	Value	Termination	Product Specifier	Packaging
LRW = Inductor RF Wirewound	0402 0603 0805	W = Wirewound on Ceramic Core F = Wirewound on Ferrite Core	C = ± 0.2 nH S = ± 0.3 nH G = ± 2% J = ± 5% K = ± 10%	See table	GG = Ni/Au (RoHS) for "W" types, GV = Ni/Sn (RoHS) for "F" types	001 = Default Catalog Item	<u>Size Code</u> 0402 T = 7" Reel Paper Tape Bulk (loose pcs) <u>Size Code</u> All B = Bulk

Example: LRW0402WS1N0GG001T is WireWound Inductors, 0402, 1nH±0.3nH, 1360mA, Ni/Au (RoHS), No Mark, 7" Reel Paper Tape



RF Inductors

WireWound Inductors - Chip Summary Chart

EIA Size		0402		0603		0805		Core Type
Inductor Value	Inductance		Tolerance	Rated Current	Tolerance	Rated Current	Core Type	
	nH	Code						
1.0	1N0	C, S	1360 mA	C, S	C, S	800 mA	Ceramic Core ("VV" Type)	
1.2	1N2		1300 mA					
1.6	1N6		700 mA					
1.8	1N8		700 mA					
1.9	1N9		1040 mA					
2.0	2N0		1040 mA					
2.2	2N2		960 mA					
2.4	2N4		790 mA					
2.6	2N6		640 mA					
2.7	2N7		640 mA					
3.3	3N3		840 mA					
3.6	3N6		840 mA					
3.9	3N9	840 mA						
4.3	4N3	700 mA						
4.7	4N7	640 mA						
5.1	5N1	800 mA						
5.6	5N6	760 mA						
6.2	6N2	760 mA						
6.8	6N8	680 mA						
7.5	7N5	680 mA						
8.2	8N2	680 mA						
8.7	8N7	480 mA						
9.0	9N0	680 mA						
9.5	9N5	680 mA						
10	10N	480 mA						
11	11N	640 mA						
12	12N	640 mA						
13	13N	560 mA						
15	15N	560 mA						
16	16N	560 mA						
18	18N	420 mA						
19	19N	480 mA						
20	20N	420 mA						
22	22N	400 mA						
23	23N	400 mA						
24	24N	400 mA						
27	27N	400 mA						
30	30N	400 mA						
33	33N	400 mA						
36	36N	320 mA						
39	39N	320 mA						
40	40N	320 mA						
43	43N	G, J, K	100 mA	G, J, K	G, J, K	500 mA		
47	47N		100 mA					
51	51N		100 mA					
56	56N		100 mA					
68	68N		100 mA					
72	72N							
82	82N		100 mA					
100	R10		100 mA					
110	R11		100 mA					
120	R12		100 mA					
150	R15							
180	R18							
220	R22							
270	R27							
330	R33							
390	R39							
470	R47							
560	R56							
680	R68							
820	R82							
1000	1R0							
1200	1R2							
1500	1R5							
1800	1R8							
2200	2R2							
2700	2R7							
3300	3R3							
3900	3R9							
4700	4R7							
5600	5R6							
6800	6R8							
8200	8R2							
10000	10R							

Consult Factory for Non-Standard values.

Consult Factory for Non-Standard values.



RF Inductors

WireWound Inductors - 0402 Selection Chart

Part Number (Standard Tolerances)	Inductance @ 250MHz	Available Tolerances @ 250MHz	Q (min.) @ 250MHz	Q (Type) @ 900MHz	Q (Type) @ 1.8GHz	SRF (min.)	DC Resistance	Rated Current (max.)
LRW0402WS1N0GG001T	1.0 nH	±0.2 nH, ±0.3 nH	13	49	60	6.0 GHz	0.045 Ω	1360 mA
LRW0402WS1N2GG001T	1.2 nH	±0.2 nH, ±0.3 nH	13	49	60	6.0 GHz	0.060 Ω	1300 mA
LRW0402WS1N8GG001T	1.8 nH	±0.2 nH, ±0.3 nH	16	50	60	6.0 GHz	0.070 Ω	1040 mA
LRW0402WS1N9GG001T	1.9 nH	±0.2 nH, ±0.3 nH	16	50	60	6.0 GHz	0.070 Ω	1040 mA
LRW0402WS2N0GG001T	2.0 nH	±0.2 nH, ±0.3 nH	16	51	62	6.0 GHz	0.070 Ω	1040 mA
LRW0402WS2N2GG001T	2.2 nH	±0.2 nH, ±0.3 nH	18	52	65	6.0 GHz	0.070 Ω	960 mA
LRW0402WS2N2GG001T	2.4 nH	±0.2 nH, ±0.3 nH	15	52	65	6.0 GHz	0.068 Ω	790 mA
LRW0402WS2N7GG001T	2.7 nH	±0.2 nH, ±0.3 nH	16	50	65	6.0 GHz	0.120 Ω	640 mA
LRW0402WJ3N3GG001T	3.3 nH	±0.2 nH, ±5%, ±10%	19	53	72	6.0 GHz	0.066 Ω	840 mA
LRW0402WJ3N6GG001T	3.6 nH	±0.2 nH, ±5%, ±10%	19	55	72	6.0 GHz	0.066 Ω	840 mA
LRW0402WJ3N9GG001T	3.9 nH	±0.2 nH, ±5%, ±10%	19	60	76	5.8 GHz	0.066 Ω	840 mA
LRW0402WJ4N3GG001T	4.3 nH	±0.2 nH, ±5%, ±10%	18	55	82	6.0 GHz	0.091 Ω	700 mA
LRW0402WJ4N7GG001T	4.7 nH	±0.2 nH, ±5%, ±10%	15	55	82	4.8 GHz	0.130 Ω	640 mA
LRW0402WJ5N1GG001T	5.1 nH	±0.2 nH, ±5%, ±10%	20	58	83	5.8 GHz	0.083 Ω	800 mA
LRW0402WJ5N6GG001T	5.6 nH	±0.2 nH, ±5%, ±10%	20	61	89	5.8 GHz	0.083 Ω	760 mA
LRW0402WJ6N2GG001T	6.2 nH	±0.2 nH, ±5%, ±10%	20	57	80	5.8 GHz	0.083 Ω	760 mA
LRW0402WJ6N8GG001T	6.8 nH	±0.2 nH, ±5%, ±10%	20	58	80	4.8 GHz	0.083 Ω	680 mA
LRW0402WJ7N5GG001T	7.5 nH	±0.2 nH, ±5%, ±10%	22	59	90	5.8 GHz	0.104 Ω	680 mA
LRW0402WJ8N2GG001T	8.2 nH	±0.2 nH, ±5%, ±10%	22	60	87	4.4 GHz	0.104 Ω	680 mA
LRW0402WJ8N7GG001T	8.7 nH	±0.2 nH, ±5%, ±10%	18	60	83	4.1 GHz	0.200 Ω	480 mA
LRW0402WJ9N0GG001T	9.0 nH	±0.2 nH, ±5%, ±10%	22	60	83	4.2 GHz	0.104 Ω	680 mA
LRW0402WJ9N5GG001T	9.5 nH	±0.2 nH, ±5%, ±10%	18	55	76	4.0 GHz	0.200 Ω	680 mA
LRW0402WJ10NGG001T	10.0 nH	±2%, ±5%, ±10%	21	56	76	3.9 GHz	0.195 Ω	480 mA
LRW0402WJ11NGG001T	11.0 nH	±2%, ±5%, ±10%	24	61	86	3.7 GHz	0.120 Ω	640 mA
LRW0402WJ12NGG001T	12.0 nH	±2%, ±5%, ±10%	24	58	77	3.6 GHz	0.120 Ω	640 mA
LRW0402WJ13NGG001T	13.0 nH	±2%, ±5%, ±10%	24	60	77	3.5 GHz	0.210 Ω	560 mA
LRW0402WJ15NGG001T	15.0 nH	±2%, ±5%, ±10%	24	61	86	3.3 GHz	0.172 Ω	560 mA
LRW0402WJ16NGG001T	16.0 nH	±2%, ±5%, ±10%	24	58	77	3.1 GHz	0.220 Ω	560 mA
LRW0402WJ18NGG001T	18.0 nH	±2%, ±5%, ±10%	24	58	77	3.1 GHz	0.230 Ω	420 mA
LRW0402WJ19NGG001T	19.0 nH	±2%, ±5%, ±10%	24	58	77	3.0 GHz	0.202 Ω	480 mA
LRW0402WJ20NGG001T	20.0 nH	±2%, ±5%, ±10%	24	54	74	3.0 GHz	0.250 Ω	420 mA
LRW0402WJ22NGG001T	22.0 nH	±2%, ±5%, ±10%	24	54	73	2.7 GHz	0.300 Ω	400 mA
LRW0402WJ23NGG001T	23.0 nH	±2%, ±5%, ±10%	24	55	73	2.7 GHz	0.214 Ω	400 mA
LRW0402WJ24NGG001T	24.0 nH	±2%, ±5%, ±10%	24	54	74	2.7 GHz	0.300 Ω	400 mA
LRW0402WJ27NGG001T	27.0 nH	±2%, ±5%, ±10%	24	55	75	2.5 GHz	0.298 Ω	400 mA
LRW0402WJ30NGG001T	30.0 nH	±2%, ±5%, ±10%	24	52	64	2.3 GHz	0.300 Ω	400 mA



RF Inductors

WireWound Inductors - 0603 Selection Chart

Part Number (Standard Tolerances)	Inductance @ 250MHz	L/Q Test Frequency	Available Tolerances @ 250MHz	Q (min.) @ L/Q Freq.	SRF (min.)	DC Resistance (max.)	Rated Current (max.)
LRW0603WS1N6GG001E	1.6 nH	250MHz	±0.2 nH, ±0.3 nH	14	7.0GHz	.080 Ω	700 mA
LRW0603WS1N8GG001E	1.8 nH	250MHz	±0.2 nH, ±0.3 nH	16	6.9GHz	.080 Ω	700 mA
LRW0603WS2N0GG001E	2.0 nH	250MHz	±0.2 nH, ±0.3 nH	16	6.9GHz	.080 Ω	700 mA
LRW0603WS3N3GG001E	3.3 nH	250MHz	±0.2 nH, ±0.3 nH	17	6.1GHz	.080 Ω	700 mA
LRW0603WS3N6GG001E	3.6 nH	250MHz	±0.2 nH, ±0.3 nH	20	6.0GHz	.080 Ω	700 mA
LRW0603WS3N6GG001E	3.9 nH	250MHz	±0.2 nH, ±0.3 nH	22	5.9GHz	.080 Ω	700 mA
LRW0603WS4N3GG001E	4.3 nH	250MHz	±0.2 nH, ±0.3 nH	22	5.8GHz	.060 Ω	700 mA
LRW0603WS4N7GG001E	4.7 nH	250MHz	±0.2 nH, ±0.3 nH	20	5.8GHz	.110 Ω	700 mA
LRW0603WJ5N1GG001E	5.1 nH	250MHz	±0.2 nH, ±5%, ±10%	18	5.4GHz	.110 Ω	700 mA
LRW0603WJ5N6GG001E	5.6 nH	250MHz	±0.2 nH, ±5%, ±10%	16	5.0GHz	.110 Ω	700 mA
LRW0603WJ6N8GG001E	6.8 nH	250MHz	±0.2 nH, ±5%, ±10%	30	4.6GHz	.110 Ω	700 mA
LRW0603WJ7R5GG001E	7.5 nH	250MHz	±0.2 nH, ±5%, ±10%	30	4.7GHz	.110 Ω	700 mA
LRW0603WJ8N2GG001E	8.2 nH	250MHz	±0.2 nH, ±5%, ±10%	30	4.8GHz	.110 Ω	700 mA
LRW0603WJ8N7GG001E	8.7 nH	250MHz	±0.2 nH, ±5%, ±10%	31	4.6GHz	.120 Ω	700 mA
LRW0603WJ10NGG001E	10.0 nH	250MHz	±2%, ±5%, ±10%	33	4.0GHz	.130 Ω	700 mA
LRW0603WJ11NGG001E	11.0 nH	250MHz	±2%, ±5%, ±10%	35	4.0GHz	.086 Ω	700 mA
LRW0603WJ12NGG001E	12.0 nH	250MHz	±2%, ±5%, ±10%	35	4.0GHz	.130 Ω	700 mA
LRW0603WJ15NGG001E	15.0 nH	250MHz	±2%, ±5%, ±10%	35	3.1GHz	.170 Ω	700 mA
LRW0603WJ18NGG001E	18.0 nH	250MHz	±2%, ±5%, ±10%	38	3.0GHz	.170 Ω	700 mA
LRW0603WJ22NGG001E	22.0 nH	250MHz	±2%, ±5%, ±10%	38	3.0GHz	.220 Ω	700 mA
LRW0603WJ27NGG001E	27.0 nH	250MHz	±2%, ±5%, ±10%	40	2.8GHz	.220 Ω	600 mA
LRW0603WJ33NGG001E	33.0 nH	250MHz	±2%, ±5%, ±10%	43	2.3GHz	.220 Ω	600 mA
LRW0603WJ39NGG001E	39.0 nH	250MHz	±2%, ±5%, ±10%	43	2.2GHz	.250 Ω	600 mA
LRW0603WJ47NGG001E	47.0 nH	200MHz	±2%, ±5%, ±10%	40	2.0GHz	.280 Ω	600 mA
LRW0603WJ51NGG001E	51.0 nH	200MHz	±2%, ±5%, ±10%	40	1.9GHz	.300 Ω	600 mA
LRW0603WJ56NGG001E	56.0 nH	200MHz	±2%, ±5%, ±10%	40	1.9GHz	.310 Ω	600 mA
LRW0603WJ68NGG001E	68.0 nH	200MHz	±2%, ±5%, ±10%	40	1.7GHz	.340 Ω	600 mA
LRW0603WJ72NGG001E	72.0 nH	150MHz	±2%, ±5%, ±10%	35	1.7GHz	.490 Ω	400 mA
LRW0603WJ82NGG001E	82.0 nH	150MHz	±2%, ±5%, ±10%	35	1.4GHz	.540 Ω	400 mA
LRW0603WJR10GG001E	100.0 nH	150MHz	±2%, ±5%, ±10%	35	1.0GHz	.630 Ω	400 mA
LRW0603WJR12GG001E	120.0 nH	150MHz	±2%, ±5%, ±10%	35	1.0GHz	.650 Ω	400 mA
LRW0603WJR15GG001E	150.0 nH	150MHz	±2%, ±5%, ±10%	35	1.3GHz	.920 Ω	280 mA
LRW0603WJR18GG001E	180.0 nH	100MHz	±2%, ±5%, ±10%	30	1.0GHz	1.25 Ω	240 mA
LRW0603WJR22GG001E	220.0 nH	100MHz	±2%, ±5%, ±10%	30	1.0GHz	1.70 Ω	200 mA
LRW0603WJR27GG001E	270.0 nH	100MHz	±2%, ±5%, ±10%	30	1.0GHz	1.80 Ω	170 mA
LRW0603WJR33GG001E	330.0 nH	100MHz	±5%, ±10%	25	900MHz	3.60 Ω	150 mA
LRW0603WJR39GG001E	390.0 nH	100MHz	±5%, ±10%	24	750MHz	5.30 Ω	100 mA
LRW0603WJR47GG001E	470.0 nH	100MHz	±5%, ±10%	23	700MHz	5.60 Ω	100 mA



RF Inductors

WireWound Inductors - 0805 Selection Chart

Part Number (Standard Tolerances)	Inductance @ 250MHz	L/Q Test Freq.	Available Tolerances @ 250MHz	Q (min.) @ L/Q Freq.	Q Test Freq.	SRF (min.)	DC Resistance (max.)	Rated Current (max.)
LRW0805WS2N2GG001E	2.2nH	250MHz	±0.2 nH, ±0.3 nH	50	1000MHz	>6000 MHz	0.06 Ω	800 mA
LRW0805WS2N7GG001E	2.7nH	250MHz	±0.2 nH, ±0.3 nH	60	1000MHz	>6000 MHz	0.08 Ω	800 mA
LRW0805WS3N3GG001E	3.3 nH	250MHz	±0.2 nH, ±0.3 nH	60	1000MHz	>6000 MHz	0.08 Ω	600 mA
LRW0805WS3N9GG001E	3.9nH	250MHz	±0.2 nH, ±5%, ±10%	60	1000MHz	>6000 MHz	0.06 Ω	600 mA
LRW0805WS4N7GG001E	4.7 nH	250MHz	±0.2 nH, ±5%, ±10%	60	1000MHz	5800MHz	0.06 Ω	600 mA
LRW0805WS5N6GG001E	5.6 nH	250MHz	±0.2 nH, ±5%, ±10%	60	1000MHz	5800MHz	0.08 Ω	600 mA
LRW0805WS6N8GG001E	6.8 nH	250MHz	±2%, ±5%, ±10%	60	1000MHz	5500MHz	0.06 Ω	600 mA
LRW0805W8N2GG001E	8.2 nH	250MHz	±2%, ±5%, ±10%	60	1000MHz	5500MHz	0.06 Ω	600 mA
LRW0805WJ10NGG001E	10.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	4800 MHz	0.08 Ω	600 mA
LRW0805WJ12NGG001E	12.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	4100 MHz	0.08 Ω	600 mA
LRW0805WJ15NGG001E	15.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	3600 MHz	0.08 Ω	600 mA
LRW0805WJ16NGG001E	16.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	3500 MHz	0.08 Ω	600 mA
LRW0805WJ18NGG001E	18.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	3400 MHz	0.08 Ω	600 mA
LRW0805WJ20NGG001E	20.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	3400 MHz	0.08 Ω	600 mA
LRW0805WJ22NGG001E	22.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	3300 MHz	0.10 Ω	600 mA
LRW0805WJ27NGG001E	27.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	2600 MHz	0.12 Ω	600 mA
LRW0805WJ33NGG001E	33.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	2400 MHz	0.15 Ω	500 mA
LRW0805WJ39NGG001E	39.0 nH	250MHz	±2%, ±5%, ±10%	60	500MHz	2100 MHz	0.18 Ω	500 mA
LRW0805WJ47NGG001E	47.0 nH	200MHz	±2%, ±5%, ±10%	60	500MHz	1700 MHz	0.15 Ω	500 mA
LRW0805WJ56NGG001E	56.0 nH	200MHz	±2%, ±5%, ±10%	60	500MHz	1600 MHz	0.25 Ω	500 mA
LRW0805WJ68NGG001E	68.0 nH	150MHz	±2%, ±5%, ±10%	60	500MHz	1450 MHz	0.27 Ω	500 mA
LRW0805WJ82NGG001E	82.0 nH	150MHz	±2%, ±5%, ±10%	60	500MHz	1350 MHz	0.32 Ω	500 mA
LRW0805WJR10GG001E	100 nH	100MHz	±2%, ±5%, ±10%	57	250MHz	1200 MHz	0.43 Ω	500 mA
LRW0805WJR12GG001E	120 nH	100MHz	±2%, ±5%, ±10%	50	250MHz	1100 MHz	0.48 Ω	500 mA
LRW0805WJR15GG001E	150 nH	100MHz	±2%, ±5%, ±10%	50	250MHz	950 MHz	0.56 Ω	400 mA
LRW0805WJR18GG001E	180 nH	100MHz	±2%, ±5%, ±10%	50	250MHz	900 MHz	0.78 Ω	400 mA
LRW0805WJR22GG001E	220 nH	100MHz	±2%, ±5%, ±10%	50	250MHz	860 MHz	1.00 Ω	400 mA
LRW0805WJR27GG001E	270 nH	100MHz	±2%, ±5%, ±10%	45	250MHz	850 MHz	1.46 Ω	350 mA
LRW0805WJR33GG001E	330 nH	25MHz	±2%, ±5%, ±10%	45	250MHz	800 MHz	1.65 Ω	300 mA
LRW0805WJR39GG001E	390 nH	25MHz	±2%, ±5%, ±10%	45	250MHz	780 MHz	2.20 Ω	210 mA
LRW0805FJR47GV001E	470 nH	25MHz	±5%, ±10%	45	100MHz	375 MHz	0.95 Ω	500 mA
LRW0805FJR56GV001E	560 nH	25MHz	±5%, ±10%	45	100MHz	340 MHz	1.10 Ω	450 mA
LRW0805FJR68GV001E	680 nH	25MHz	±5%, ±10%	35	100MHz	188 MHz	1.20 Ω	400 mA
LRW0805FJR82GV001E	820 nH	8MHz	±5%, ±10%	35	100MHz	210 MHz	1.50 Ω	300 mA
LRW0805FJ1R0GV001E	1000 nH	8MHz	±5%, ±10%	35	50MHz	200 MHz	2.13 Ω	180 mA
LRW0805FJ1R2GV001E	1200 nH	8MHz	±5%, ±10%	15	8MHz	200 MHz	2.38 Ω	150 mA
LRW0805FJ1R5GV001E	1500 nH	8MHz	±5%, ±10%	15	8MHz	200 MHz	2.90 Ω	130 mA
LRW0805FJ1R8GV001E	1800 nH	8MHz	±5%, ±10%	15	8MHz	120 MHz	3.00 Ω	120 mA
LRW0805FJ2R2GV001E	2200 nH	8MHz	±5%, ±10%	15	8MHz	110 MHz	3.10 Ω	110 mA
LRW0805FJ2R7GV001E	2700 nH	8MHz	±5%, ±10%	15	8MHz	100 MHz	3.50 Ω	100 mA
LRW0805FJ3R3GV001E	3300 nH	8MHz	±5%, ±10%	15	8MHz	70 MHz	2.30 Ω	210 mA
LRW0805FJ3R9GV001E	3900 nH	8MHz	±5%, ±10%	15	8MHz	60 MHz	2.50 Ω	200 mA
LRW0805FJ4R7GV001E	4700 nH	8MHz	±5%, ±10%	15	8MHz	50 MHz	2.80 Ω	180 mA
LRW0805FJ5R6GV001E	5600 nH	8MHz	±5%, ±10%	15	8MHz	45 MHz	3.00 Ω	160 mA
LRW0805FJ6R8GV001E	6800 nH	8MHz	±5%, ±10%	15	8MHz	45 MHz	3.20 Ω	130 mA
LRW0805FJ8R2GV001E	8200 nH	8MHz	±5%, ±10%	15	8MHz	40 MHz	3.50 Ω	120 mA
LRW0805FJ10RGV001E	10000 nH	8MHz	±5%, ±10%	10	8MHz	40 MHz	5.00 Ω	80 mA

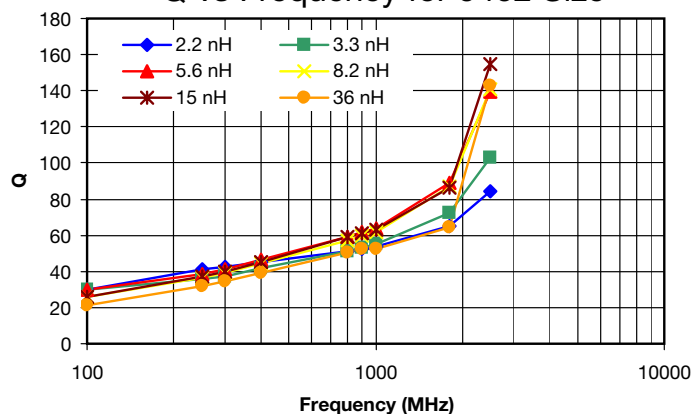


RF Inductors WireWound Inductors

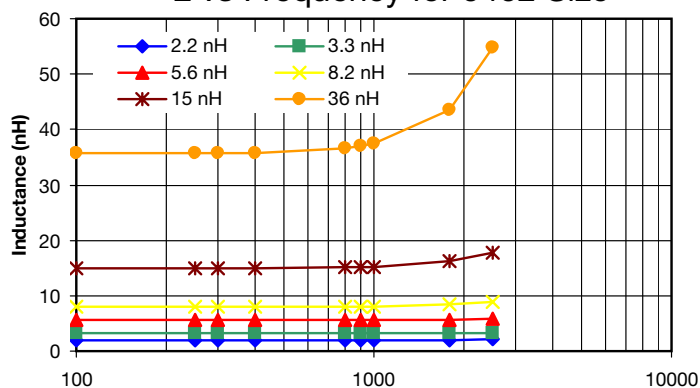
RF Characteristics

"Typical"

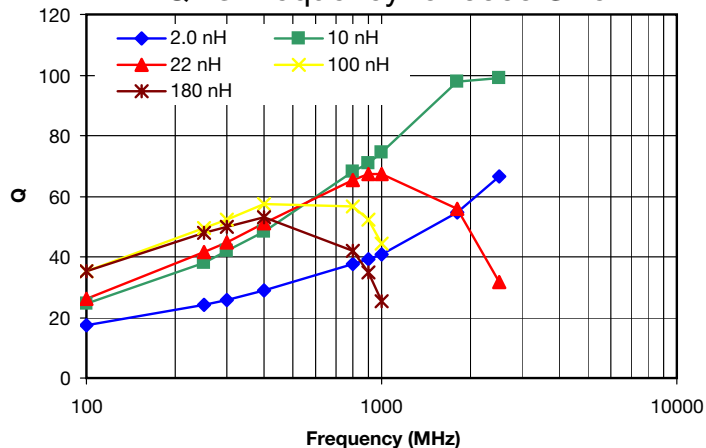
Q vs Frequency for 0402 Size



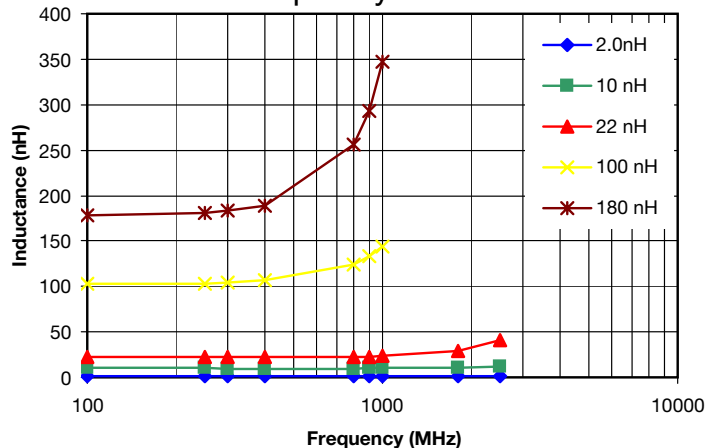
L vs Frequency for 0402 Size



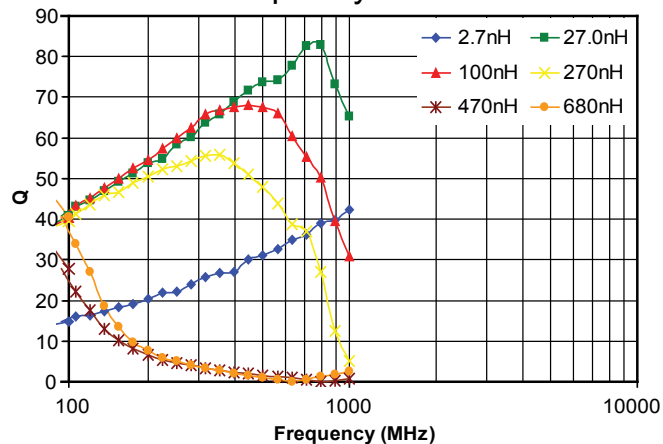
Q vs Frequency for 0603 Size



L vs Frequency for 0603 Size



Q vs Frequency for 0805 Size



L vs Frequency for 0805 Size

