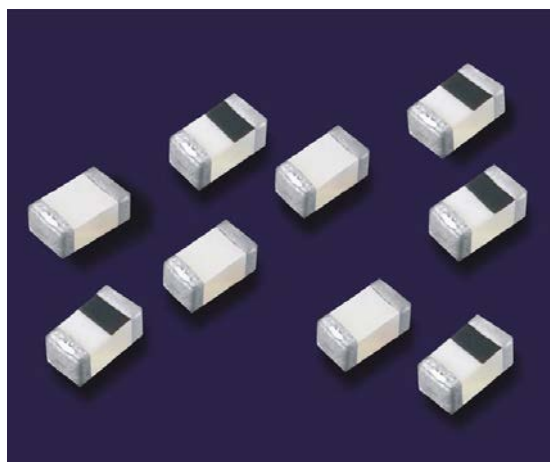


RF CERAMIC CHIP INDUCTORS



Polarity Half-Marked Inductors (0201 only)

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 & FEATURES

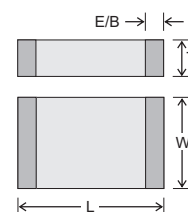
- CELL/PCS Modules
- Wireless LAN
- Broadband Components
- RFID
- RF Transceivers
- RoHS Compliant (Standard, "V" Code)
- Sn/Pb Terminations Optional ("T" Code)

PRODUCT RANGE SUMMARY

EIA SIZE (mm)	SIZE CODE	L RANGE	Q FACTOR (Min.)	SRF (Typ.)	TEMPERATURE
0201 (0603)	L-05	0.6 - 39 nH	4 (100 MHz)	>21 GHz (1.0 nH)	-40°C to +100°C
0402 (1005)	L-07	1.0 - 120 nH	8 (100 MHz)	>21 GHz (1.0 nH)	-40°C to +100°C
0603 (1608)	L-14	1.0 - 220 nH	12 (100 MHz)	>23 GHz (1.0 nH)	-40°C to +100°C

MECHANICAL CHARACTERISTICS

	0201 (0603)		0402 (1005)		0603 (1608)	
	Inches	mm	Inches	mm	Inches	mm
Length	.024 ±.001"	(0.6 ±0.03)	.039 ±.004"	(1.00 ±.10)	.063 ±.006"	(1.60 ±.15)
Width	.012 ±.001"	(0.3 ±0.03)	.020 ±.004"	(0.50 ±.10)	.031 ±.006"	(0.80 ±.15)
Thickness	.012 ±.001"	(0.3 ±0.03)	.020 ±.004"	(0.50 ±.10)	.031 ±.006"	(0.80 ±.15)
End Band	.006 ±.002"	(0.15 ±0.05)	.009 ±.004"	(0.23 ±.10)	.012 ±.008"	(0.30 ±.20)

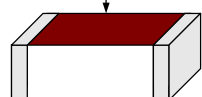


HOW TO ORDER

L-	07	C	10N	J	V	6	T
DEVICE Inductor	SIZE 05 = 0201 07 = 0402 14 = 0603	TYPE B = Polarity Half-Marked (all 0201) C = 0402 and 0603 (see "Marking")	VALUE See Table	TOLERANCE C = ± 0.2 nH S = ± 0.3 nH J = ± 5% K = ± 10%	TERMINATION V = Ni/Sn T = Ni / SnPb	MARKING 4 = No Marking (all 0603) 6 = Orientation Mark (all 0201 and 0402*)	PACKAGING Tape and Reel Size Code Tape Reel Qty 0201 T Paper 7" 15,000 0402 T Paper 7" 10,000 0603 T Paper 7" 4,000 Bulk (Loose Pcs.) Size Code All S

Part number written: L-07C10NV6T

Orientation Full Marking (all 0402)



*Please note that all 0402 inductors (L-07C) have orientation full marking only.



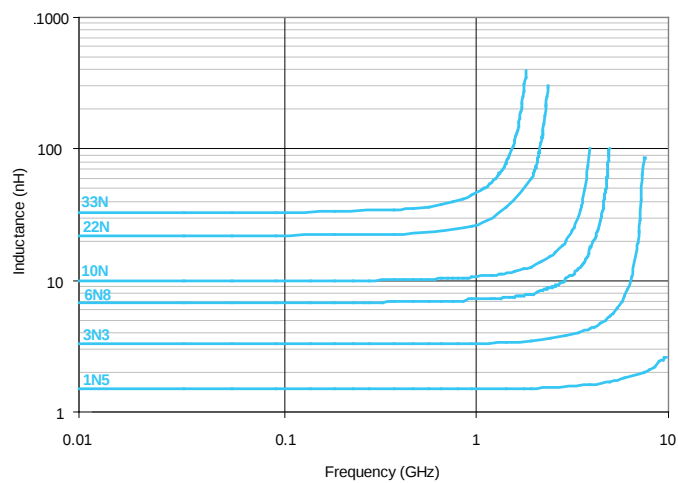
RF CHIP INDUCTOR SELECTION CHART

EIA Size		Inductor Value	Tolerance	0201 (L-05)	0402 (L-07)	0603 (L-14)
Inductance 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	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					

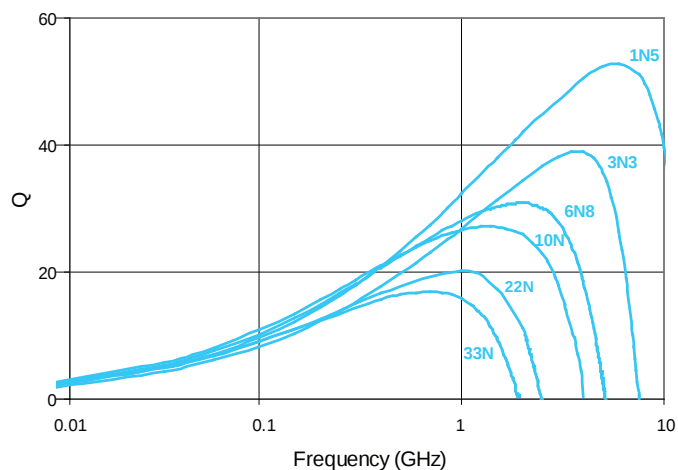
Consult factory for Non-Standard values. C tolerance are non-standard terms
See web page for Chip Inductor Product Detail Summary by part number

RF CHARACTERISTICS CHARACTERISTICS (TYPICAL)

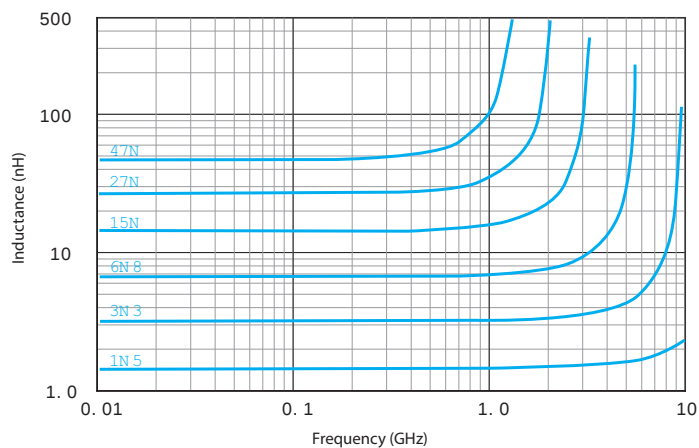
INDUCTANCE VS FREQUENCY: SIZE 0201



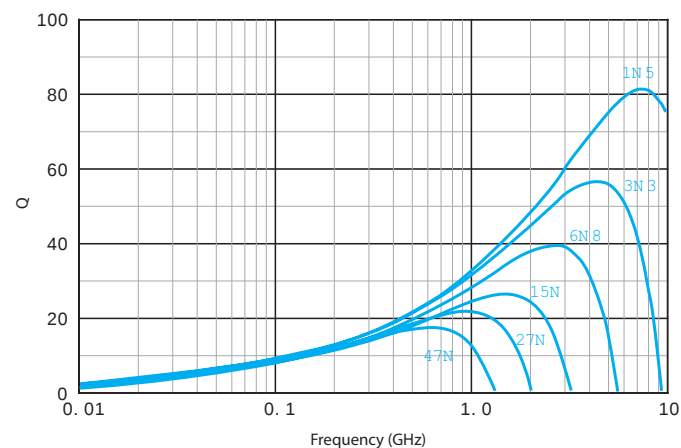
Q VS FREQUENCY: SIZE 0201



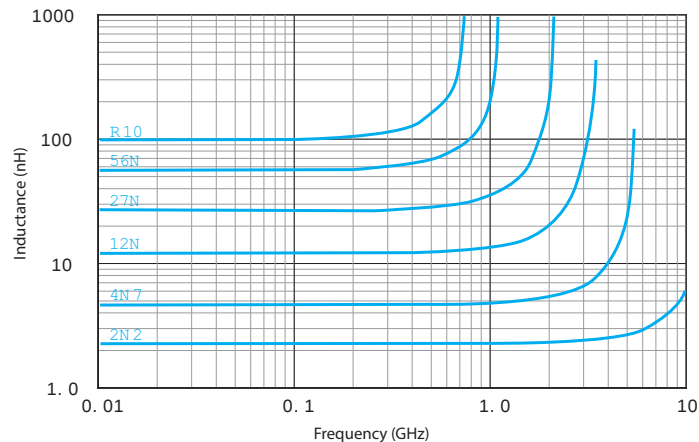
INDUCTANCE VS FREQUENCY: SIZE 0402



Q VS FREQUENCY: SIZE 0402



INDUCTANCE VS FREQUENCY: SIZE 0603



Q VS FREQUENCY: SIZE 0603

