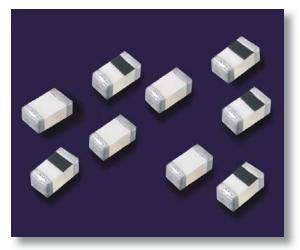
# RF CERAMIC CHIP INDUCTORS



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 Tranceivers
- RoHS Compliant (Standard, "V" Code)
- Sn/Pb Terminations Optional ("T" Code)

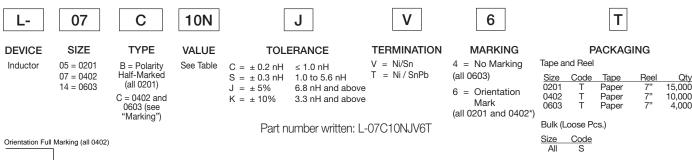
# PRODUCT RANGE SUMMARY

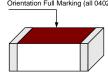
EIA SIZE (mm)	SIZE CODE	L RANGE	Q FACTOR (Min.)	SRF (Typ.)	TEMPERATURE
0201 (0603)	L-05	0.6 - 39 nH	4 (100 MHz)	>21 GHz (1.0 nH)	-55°C to +100°C
0402 (1005)	L-07	1.0 - 120 nH	8 (100 MHz)	>21 GHz (1.0 nH)	-55°C to +100°C
0603 (1608)	L-14	1.0 - 220 nH	12 (100 MHz)	>23 GHz (1.0 nH)	-55°C to +100°C

#### MECHANICAL CHARACTERISTICS

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

## How to Order





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

EIA Size Inductor Value		0201 (L-05)	0402 (L-07)	0603 (L-14)	
			(= 33)	(=/	(=/
	tance	Tolerance			
nH	Code		000 1		
0.6	0N6 0N7	_	300 mA 300 mA		
0.7	0N8	<u> </u>	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	<u> </u>	300 mA	300 TIA (3 Only)	300 HIA (3 OHIY)
1.5	1N5	C _	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	S	300 mA	300 mA (S only)	000 1111 ( 0 0111)
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	(5.11)	
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		300 mA	300 mA	300 mA
3.6	3N6		300 mA	300 mA	
3.7	3N7	17	300 mA		
3.9	3N9	K	300 mA	300 mA	300 mA
4.3	4N3			300 mA	
4.7	4N7	- S	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			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	300 mA
15	15N	_	250 mA	250 mA	
18	18N	_	200 mA	200 mA	300 mA
22 23	22N 23N		200 mA	200 mA 200 mA	300 mA
27	23N 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	J	200 111/1	150 mA	30011111
47	47N			150 mA	300 mA
56	56N	K		150 mA	300 mA
68	68N	IX		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)

