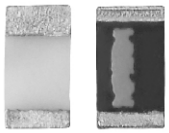
Thin Film Chip Inductor



FEATURES

- Tight tolerance
- Self-resonant frequency controlled within 10 %
- Stable inductance over high frequencies
- Compatible with reflow or flow soldering
- 100 % lead (Pb)-free and RoHS compliant
- Temperature range: - 40 °C to + 125 °C (no load)
  - 40 °C to + 85 °C (full rated current)

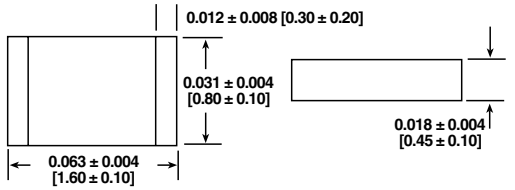
Pb-free

RoHS COMPLIANT

APPLICATIONS

- Cellular telephone, pagers and GPS products
- Wireless LAN and other communication appliances
- VCO, TCXO circuit and RF transceiver module

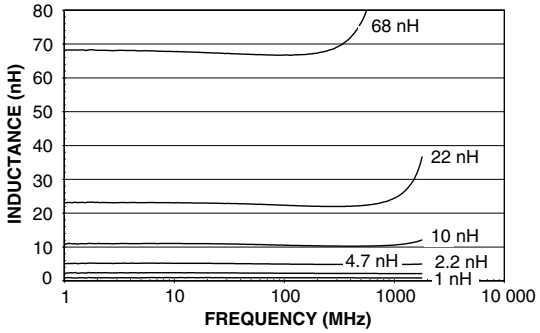
DIMENSIONS in inches [millimeters]

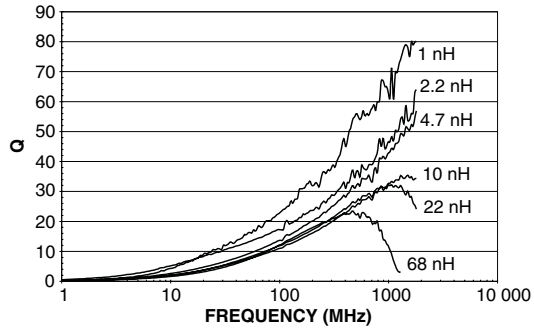


STANDARD ELECTRICAL SPECIFICATIONS

L 500 MHz (nH)	L TOL.	Q 100 MHz (Typ.)	Q 800 MHz (Typ.)	Q 1700 MHz (Typ.)	SRF MHz (Typ.)	DCR Ohms (Max.)	RATED DC CURRENT (mA)
1.0	0.3 nH	13	34	49	13 000	0.35	800
1.2	0.3 nH	13	34	49	13 000	0.35	800
1.5	0.3 nH	13	34	49	10 000	0.35	800
1.8	0.3 nH	13	34	49	10 000	0.35	300
2.2	0.3 nH	13	34	49	8000	0.35	300
2.7	0.3 nH	13	34	49	6000	0.45	300
3.3	0.3 nH	13	34	49	6000	0.45	300
3.9	0.3 nH	13	34	49	6000	0.45	300
4.7	0.3 nH	13	34	41	5000	0.55	300
5.6	0.3 nH	13	34	41	5000	0.65	300
6.8	0.3 nH	13	34	41	5000	0.75	300
8.2	0.3 nH	13	34	41	4000	0.95	300
10	2 %, 5 %	13	34	30	4000	0.95	300
12	2 %, 5 %	13	30	30	3000	1.05	300
15	2 %, 5 %	13	30	30	3000	1.35	300
18	2 %, 5 %	13	30	25	2000	1.65	300
22	2 %, 5 %	13	30	25	2000	1.95	250
27	2 %, 5 %	10	45	25	2000	2.35	250
33	2 %, 5 %	10	45	6	1500	2.75	250
39	2 %, 5 %	10	45	1	1500	3.0	200
47	2 %, 5 %	10	45	1	1500	3.0	200
56	2 %, 5 %	10	26	4	1000	5.0	150
68	2 %, 5 %	10	26	6	1000	5.0	150

PERFORMANCE GRAPHS: INDUCTANCE AND Q VS FREQUENCY





DESCRIPTION

IFCB-0603	10 nH	± 5 %	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

I	F	C	B	0	6	0	3	E	R	1	0	N	J
PRODUCT FAMILY				SIZE				PACKAGE CODE		INDUCTANCE VALUE			TOL.

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