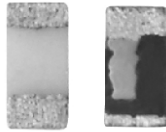


Thin Film Chip Inductor



RoHS
COMPLIANT

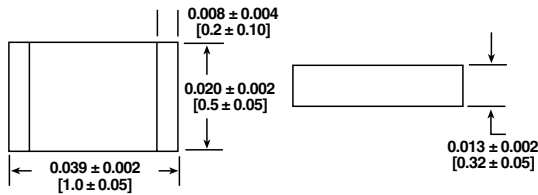
FEATURES

- 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)

APPLICATIONS

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

DIMENSIONS in inches [millimeters]

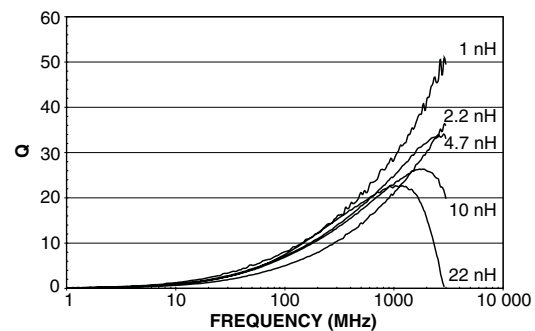
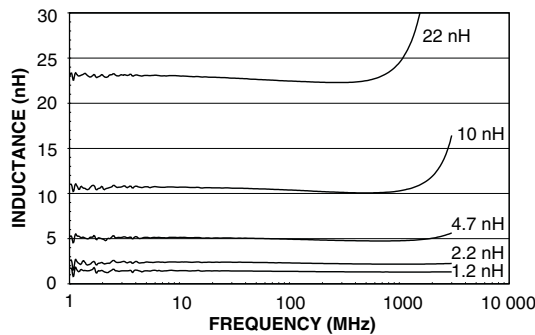


STANDARD ELECTRICAL SPECIFICATIONS

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	7	21	33	12 000	0.15	700
1.2	0.3 nH	7	21	33	12 000	0.15	700
1.5	0.3 nH	7	21	33	10 000	0.25	700
1.8	0.3 nH	7	21	33	10 000	0.25	560
2.2	0.3 nH	7	21	33	8000	0.35	440
2.7	0.3 nH	7	21	33	8000	0.35	440
3.3	0.3 nH	7	21	28	6000	0.45	380
3.9	0.3 nH	7	21	28	6000	0.55	340
4.7	0.3 nH	7	21	28	6000	0.65	320
5.6	0.3 nH	7	21	28	6000	0.85	280
6.8	0.3 nH	7	21	28	6000	1.05	260
8.2	0.3 nH	7	21	28	5500	1.25	220
10	2 %, 5 %	7	21	26	4500	1.35	200
12	2 %, 5 %	5	21	26	3700	1.55	180
15	2 %, 5 %	5	21	26	3300	1.75	130
18	2 %, 5 %	5	21	21	3100	2.15	100
22	2 %, 5 %	5	21	19	2800	2.65	90

Test Equipment: HP4287 and Agilent 16196B

PERFORMANCE GRAPHS: INDUCTANCE AND Q VS FREQUENCY



DESCRIPTION

IFCB-0402 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** **4** **0** **2** **E** **R** **1** **0** **N** **J**
 PRODUCT FAMILY SIZE PACKAGE CODE INDUCTANCE VALUE TOL.



Disclaimer

All product specifications and data are subject to change without notice.

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