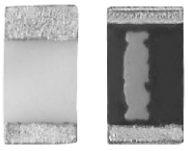
Thin Film Chip Inductors



FEATURES

- Tight tolerance
- Self-resonant frequency controlled within 10 %
- Stable inductance over high frequencies
- Compatible with reflow or flow soldering
- Temperature range: - 40 °C to + 125 °C (no load)
  - 40 °C to + 85 °C (full rated current)
- Compliant to RoHS directive 2002/95/EC

RoHS COMPLIANT

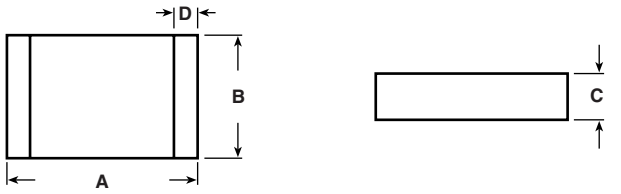
APPLICATIONS

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

STANDARD ELECTRICAL SPECIFICATIONS

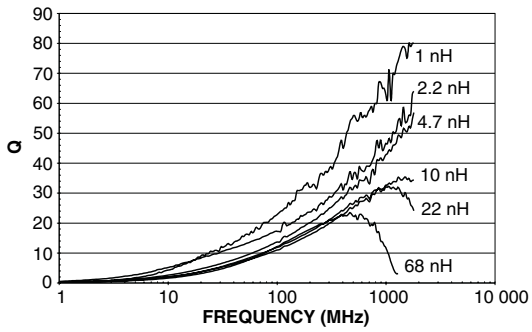
L 500 MHz (nH)	L TOL.	Q TYPICAL 100 MHz	Q TYPICAL 800 MHz	Q TYPICAL 1700 MHz	SRF TYP. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
1.0	0.3 nH	13	34	49	13 000	0.35	800
1.2	0.3 nH	13	34	49	13 000	0.35	800
1.5	0.3 nH	13	34	49	10 000	0.35	800
1.8	0.3 nH	13	34	49	10 000	0.35	300
2.2	0.3 nH	13	34	49	8000	0.35	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	3.00	200
47	2 %, 5 %	10	45	1	1500	3.00	200
56	2 %, 5 %	10	26	4	1000	5.00	150
68	2 %, 5 %	10	26	6	1000	5.00	150

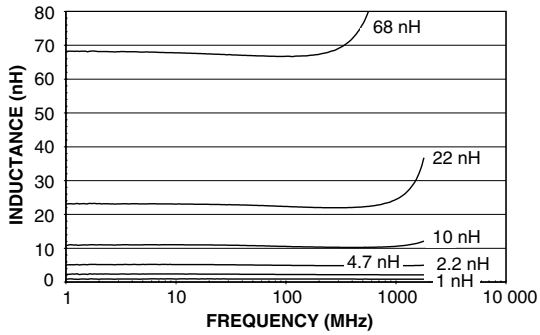
DIMENSIONS in inches [millimeters]



MODEL	A	B	C	D
IFCB-0603	0.063 ± 0.004 [1.60 ± 0.10]	0.031 ± 0.004 [0.80 ± 0.10]	0.018 ± 0.004 [0.45 ± 0.10]	0.012 ± 0.008 [0.30 ± 0.20]

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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