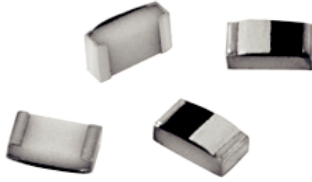


High Q/SRF, Low Value Chip Inductors



FEATURES

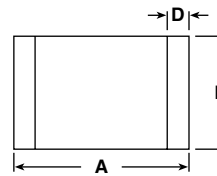
- High reliability
- Surface mountable
- High self-resonant frequency
- 2 % tolerance available
- Temperature range: - 40 °C to + 125 °C (no load)
- 40 °C to + 85 °C (full rated current)
- Compliant to RoHS directive 2002/95/EC


RoHS
COMPLIANT

STANDARD ELECTRICAL SPECIFICATIONS

L 100 MHz (nH)	L TOL.	Q TYPICAL			SRF TYP. (MHz)	DCR MAX. (Ω)	RATED DC CURRENT (mA)
		100 MHz	800 MHz	1700 MHz			
1.5	0.3 nH	11	38	42	> 15 000	0.06	1000
1.8	0.3 nH	10	35	50	> 15 000	0.06	1000
2.2	0.3 nH	10	40	47	14 000	0.08	1000
2.7	0.3 nH	10	38	51	13 000	0.12	1000
3.3	5%, 10%	10	41	53	10 000	0.15	1000
3.9	5%, 10%	10	36	51	8000	0.20	500
4.7	5%, 10%	10	38	55	7000	0.21	500
5.6	5%, 10%	10	38	48	5100	0.29	500
6.8	5%, 10%	10	38	47	4900	0.32	500
8.2	5%, 10%	10	38	58	3700	0.35	500
10	5%, 10%	10	34	40	3600	0.42	500
12	5%, 10%	11	36	45	3200	0.50	500
15	5%, 10%	12	32	24	2600	0.60	400
18	5%, 10%	11	30	23	2500	0.75	400

DIMENSIONS in inches [millimeters]

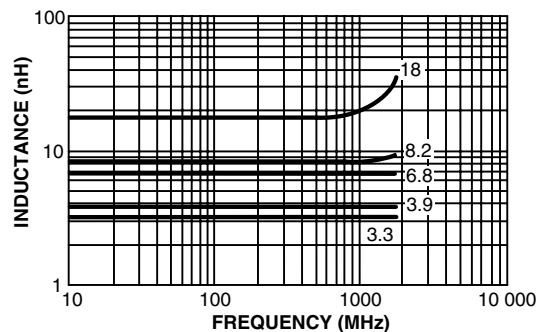
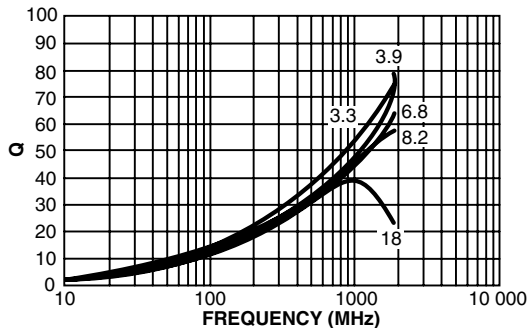


MODEL	A	B	C	D
IFC-0603	0.063 ± 0.004 [1.60 ± 0.1]	0.031 ± 0.004 [0.80 ± 0.1]	0.020 ± 0.004 [0.50 ± 0.1]	0.015 Max. [0.38 Max.]

Note

- L, Q, SRF measured on HP-4291A and HP-8753D

PERFORMANCE GRAPHS: INDUCTANCE AND Q VS. FREQUENCY



DESCRIPTION

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

GLOBAL PART NUMBER

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



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