



High Q/SRF, Low Value Chip Inductors

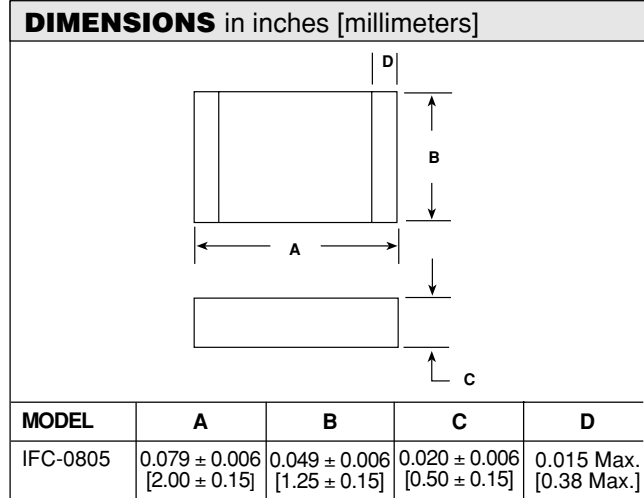
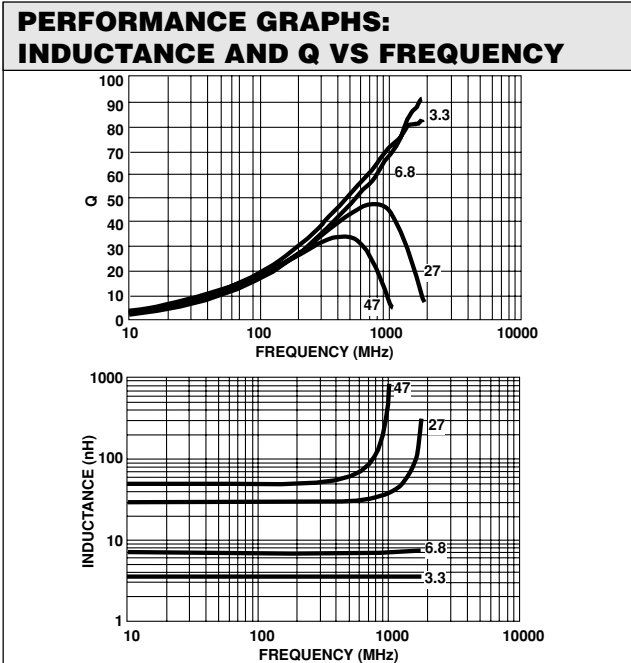


FEATURES

- 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).
- Lead (Pb)-free terminations and RoHS compliant

STANDARD ELECTRICAL SPECIFICATIONS								
MODEL	L 100 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)
IFC-0805	1.5	0.3nH	18	57	125	> 15000	0.04	1000
	1.8	0.3nH	12	45	58	> 15000	0.06	1000
	2.2	0.3nH	12	45	68	> 15000	0.09	1000
	2.7	0.3nH	12	46	71	12000	0.11	1000
	3.3	5%, 10%	12	46	67	11000	0.13	1000
	3.9	5%, 10%	15	55	80	9000	0.13	500
	4.7	5%, 10%	15	53	78	7000	0.16	500
	5.6	5%, 10%	13	53	80	6500	0.17	500
	6.8	5%, 10%	14	53	65	4800	0.20	500
	8.2	5%, 10%	15	50	77	3600	0.25	500
	10	5%, 10%	13	48	67	3500	0.36	500
	12	5%, 10%	14	48	68	3400	0.41	500
	15	5%, 10%	15	48	59	3100	0.49	400
	18	5%, 10%	14	48	48	2550	0.69	400
	22	5%, 10%	16	39	—	1750	0.70	400
	27	5%, 10%	16	41	—	1600	0.95	300
	33	5%, 10%	16	39*	—	1300	1.1	300
	39	5%, 10%	18	32*	—	1200	1.1	300
	47	5%, 10%	17	30*	—	1060	1.2	300

L, Q, SRF measured on HP-4291A and HP-8753D
*500 MHz.



DESCRIPTION				
IFC-0805	10nH	± 5%	ER	e3
MODEL	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JDEC LEAD FREE STANDARD

GLOBAL PART NUMBER				
I	F	C	0 8 0 5	E R
PRODUCT FAMILY			SIZE	PACKAGE CODE
			INDUCTANCE VALUE	TOL.
See the end of this data book for conversion tables				