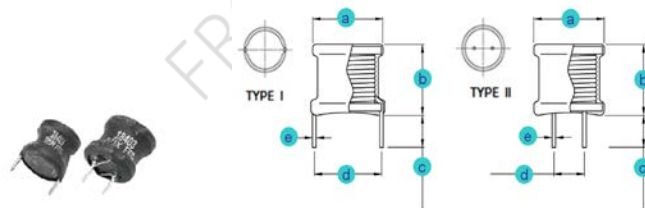


A. Electrical Specifications:

Part Number	L (uH) @ 1KHz	Tol.	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184031R0M	1.0	M	20	7.9	85	0.004	10.00	I
184031R5M	1.5	M	20	7.9	64	0.005	8.30	I
184032R2M	2.2	M	20	7.9	48	0.006	6.90	I
184033R3M	3.3	M	20	7.9	36	0.008	5.60	I
184034R7M	4.7	M	20	7.9	28	0.009	4.70	I
184036R8M	6.8	M	20	7.9	22	0.012	3.90	I
18403100K	10	K	20	2.5	16	0.016	3.20	I
18403120K	12	K	20	2.5	14	0.018	2.90	I
18403150K	15	K	20	2.5	12	0.020	2.60	I
18403180K	18	K	20	2.5	11	0.025	2.40	I
18403220K	22	K	20	2.5	10	0.030	2.20	I
18403270K	27	K	20	2.5	9.0	0.040	2.00	I
18403330K	33	K	20	2.5	8.0	0.050	1.80	I
18403390K	39	K	20	2.5	7.0	0.060	1.65	I
18403470K	47	K	20	2.5	6.0	0.070	1.50	I
18403560K	56	K	20	2.5	5.5	0.080	1.35	I
18403680K	68	K	20	2.5	5.0	0.10	1.20	I
18403820K	82	K	20	2.5	4.5	0.12	1.10	II
18403101K	100	K	20	0.79	4.0	0.14	1.00	II
18403121K	120	K	20	0.79	3.5	0.18	0.90	II
18403151K	150	K	20	0.79	3.0	0.22	0.82	II
18403181K	180	K	20	0.79	2.8	0.25	0.75	II
18403221K	220	K	20	0.79	2.5	0.31	0.68	II
18403271K	270	K	20	0.79	2.2	0.36	0.61	II
18403331K	330	K	20	0.79	2.0	0.42	0.55	II
18403391K	390	K	20	0.79	1.8	0.48	0.50	II
18403471K	470	K	15	0.79	1.6	0.52	0.46	II
18403561K	560	K	15	0.79	1.4	0.65	0.42	II
18403681K	680	K	15	0.79	1.3	0.80	0.38	II
18403821K	820	K	15	0.79	1.2	1.0	0.34	II
18403102K	1000	K	20	0.25	1.00	1.5	0.31	II
18403122K	1200	K	20	0.25	0.90	1.8	0.28	II
18403152K	1500	K	20	0.25	0.85	2.0	0.25	II
18403182K	1800	K	20	0.25	0.80	2.5	0.23	II
18403222K	2200	K	20	0.25	0.75	3.0	0.21	II
18403272K	2700	K	20	0.25	0.70	3.5	0.19	II
18403332K	3300	K	20	0.25	0.65	4.0	0.17	II
18403392K	3900	K	20	0.25	0.60	5.0	0.15	II
18403472K	4700	K	20	0.25	0.55	6.0	0.14	II
18403562K	5600	K	20	0.25	0.50	7.5	0.13	II
18403682K	6800	K	20	0.25	0.45	9.5	0.12	II
18403822K	8200	K	20	0.25	0.40	11.0	0.11	II
18403103K	10000	K	50	0.079	0.35	12.0	0.10	II
18403123K	12000	K	50	0.079	0.30	13.5	0.09	II
18403153K	15000	K	50	0.079	0.25	15.0	0.08	II

B. Dimensions: mm (Inch)

Series	a	b	c	d	e
18403 TYPE I	Ø11.5(0.453)	11.5(0.453)	5.0(0.197)	11.0(0.433)	Ø0.5~0.8(0.020~0.031)
Tol.	Max.	Max.	±1.0(0.039)	±1.5(0.059)	Typ.
18403 TYPE II	Ø11.5(0.453)	11.5(0.453)	5.0(0.197)	5.0(0.197)	Ø0.65(0.026)
Tol.	Max.	Max.	±1.0(0.039)	±0.5(0.020)	Typ.



C. General Information:

1. 18403xxx_, “18403” = P/N, “xxx” = Inductance, “_”: Tolerance M = $\pm 20\%$, L = $\pm 15\%$, K = $\pm 10\%$.
2. Operating temperature: -40°C to +85°C. (Including self-temperature rise)
3. Temperature rise: 25°C Max.
4. Ambient temperature: 60°C Max.
5. Test equipment:
 - L: HP4285A LCR Meter or equivalent.
 - Q: HP4285A at specified frequency or equivalent.
 - DCR: CHROMA-16502 or equivalent.
 - SRF: HP4291B or equivalent.
6. MSL: Level 1.
7. Inductance and Current range: From 1.0uH (10A) - 15000uH (0.08 A)
8. DCR: From 0.004 - 15.0 Ohms.

D. Applications:

1. Game Consoles
2. Set Top Boxes
3. Cables Modems
4. Computers
5. Mobile Communication Devices (Radios, etc.)
6. LCD, DVD, BRP

E. Supplementary Information:

1. Solder Profile

