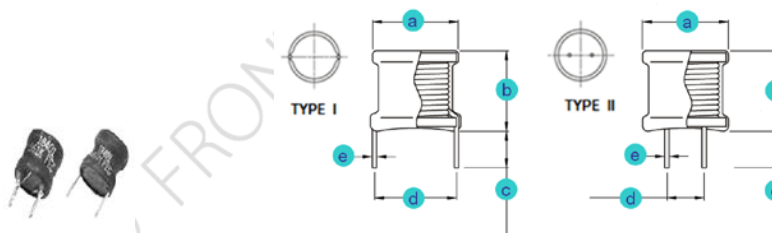


A. Electrical Specifications:

Part Number	L (uH) @ 1KHz	Tol.	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184011R0M	1.0	M	20	7.9	70	0.007	6.60	I
184011R5M	1.5	M	20	7.9	60	0.010	5.40	I
184012R2M	2.2	M	20	7.9	45	0.015	4.50	I
184013R3M	3.3	M	20	7.9	35	0.020	3.60	I
184014R7M	4.7	M	20	7.9	30	0.025	3.10	I
184016R8M	6.8	M	20	7.9	25	0.030	2.50	I
18401100K	10	K	20	2.5	20	0.045	2.10	II
18401120K	12	K	20	2.5	17	0.050	1.90	II
18401150K	15	K	20	2.5	15	0.065	1.70	II
18401180K	18	K	20	2.5	13	0.080	1.50	II
18401220K	22	K	20	2.5	12	0.10	1.40	II
18401270K	27	K	20	2.5	10	0.12	1.20	II
18401330K	33	K	20	2.5	9.2	0.14	1.10	II
18401390K	39	K	20	2.5	8.5	0.17	1.00	II
18401470K	47	K	20	2.5	7.5	0.21	0.95	II
18401560K	56	K	20	2.5	7.0	0.24	0.80	II
18401680K	68	K	20	2.5	6.5	0.28	0.75	II
18401820K	82	K	20	2.5	5.5	0.31	0.70	II
18401101K	100	K	20	0.79	5.0	0.35	0.65	II
18401121K	120	K	20	0.79	4.5	0.45	0.60	II
18401151K	150	K	20	0.79	4.0	0.56	0.53	II
18401181K	180	K	20	0.79	3.5	0.65	0.48	II
18401221K	220	K	20	0.79	3.2	0.72	0.44	II
18401271K	270	K	20	0.79	2.8	0.86	0.40	II
18401331K	330	K	20	0.79	2.5	1.10	0.36	II
18401391K	390	K	20	0.79	2.2	1.50	0.33	II
18401471K	470	K	20	0.79	2.0	1.70	0.30	II
18401561K	560	K	20	0.79	1.8	2.0	0.27	II
18401681K	680	K	20	0.79	1.7	2.5	0.25	II
18401821K	820	K	20	0.79	1.5	3.0	0.22	II
18401102K	1000	K	50	0.25	1.3	4.5	0.20	II

B. Dimensions: mm (Inch)

Series	a	b	c	d	e
18401 TYPE I	Ø7.5 (0.295)	8.0 (0.315)	5.0 (0.197)	7.0 (0.276)	Ø0.5~0.7 (0.020~0.028)
Tol.	Max.	Max.	±1.0 (0.039)	±1.5 (0.059)	Typ.
18401 TYPE II	Ø7.5 (0.295)	8.0 (0.315)	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. 18401xxx_, "18401" = 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 (6.6A) - 1000uH (0.2 A)
8. DCR: From 0.007 - 4.5 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

