

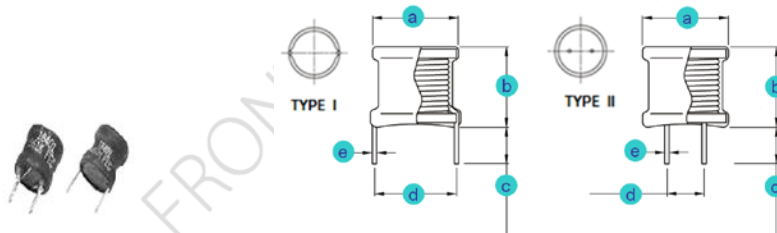


A. Electrical Specifications:

Part Number	L (uH) @ 1KHz	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184011R0MH	1.0	20	7.9	70	0.007	6.60	I
184011R5MH	1.5	20	7.9	60	0.010	5.40	I
184012R2MH	2.2	20	7.9	45	0.015	4.50	I
184013R3MH	3.3	20	7.9	35	0.020	3.60	I
184014R7MH	4.7	20	7.9	30	0.025	3.10	I
184016R8MH	6.8	20	7.9	25	0.030	2.50	I
18401100KH	10	20	2.5	20	0.045	2.10	II
18401120KH	12	20	2.5	17	0.050	1.90	II
18401150KH	15	20	2.5	15	0.065	1.70	II
18401180KH	18	20	2.5	13	0.080	1.50	II
18401220KH	22	20	2.5	12	0.10	1.40	II
18401270KH	27	20	2.5	10	0.12	1.20	II
18401330KH	33	20	2.5	9.2	0.14	1.10	II
18401390KH	39	20	2.5	8.5	0.17	1.00	II
18401470KH	47	20	2.5	7.5	0.21	0.95	II
18401560KH	56	20	2.5	7.0	0.24	0.80	II
18401680KH	68	20	2.5	6.5	0.28	0.75	II
18401820KH	82	20	2.5	5.5	0.31	0.70	II
18401101KH	100	20	0.79	5.0	0.35	0.65	II
18401121KH	120	20	0.79	4.5	0.45	0.60	II
18401151KH	150	20	0.79	4.0	0.56	0.53	II
18401181KH	180	20	0.79	3.5	0.65	0.48	II
18401221KH	220	20	0.79	3.2	0.72	0.44	II
18401271KH	270	20	0.79	2.8	0.86	0.40	II
18401331KH	330	20	0.79	2.5	1.10	0.36	II
18401391KH	390	20	0.79	2.2	1.50	0.33	II
18401471KH	470	20	0.79	2.0	1.70	0.30	II
18401561KH	560	20	0.79	1.8	2.0	0.27	II
18401681KH	680	20	0.79	1.7	2.5	0.25	II
18401821KH	820	20	0.79	1.5	3.0	0.22	II
18401102KH	1000	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_H, "18401" = P/N, "xxx" = Inductance, "_": Tolerance K=±10%, L = 15%, M = ±20%, "H"=Internal control code.
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 (200mA)
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