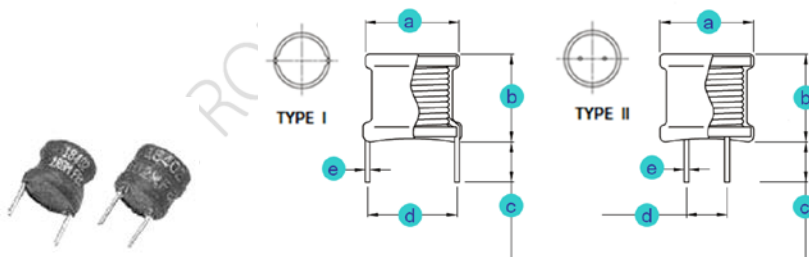


**A. Electrical Specifications:**

Part Number	L (uH) @ 1KHz	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184021R0MH	1	20	7.9	68	0.005	7.5	I
184021R5MH	1.5	20	7.9	56	0.008	6.6	I
184022R2MH	2.2	20	7.9	45	0.010	5.4	I
184023R3MH	3.3	20	7.9	38	0.013	4.5	I
184024R7MH	4.7	20	7.9	30	0.017	3.7	I
184026R8MH	6.8	20	7.9	24	0.022	3.1	I
18402100KH	10	20	2.5	19	0.03	2.5	I
18402120KH	12	20	2.5	17	0.04	2.2	I
18402150KH	15	20	2.5	15	0.05	2.0	I
18402180KH	18	20	2.5	13	0.06	1.8	II
18402220KH	22	20	2.5	12	0.07	1.6	II
18402270KH	27	20	2.5	11	0.08	1.4	II
18402330KH	33	20	2.5	10	0.10	1.3	II
18402390KH	39	20	2.5	9	0.12	1.2	II
18402470KH	47	20	2.5	8	0.14	1.1	II
18402560KH	56	20	2.5	7	0.16	0.96	II
18402680KH	68	20	2.5	6.5	0.18	0.91	II
18402820KH	82	20	2.5	6	0.20	0.83	II
18402101KH	100	15	0.79	5.5	0.25	0.75	II
18402121KH	120	15	0.79	5	0.33	0.68	II
18402151KH	150	15	0.79	4.5	0.40	0.61	II
18402181KH	180	15	0.79	4	0.50	0.55	II
18402221KH	220	15	0.79	3.5	0.60	0.50	II
18402271KH	270	15	0.79	3.2	0.70	0.45	II
18402331KH	330	15	0.79	2.8	0.80	0.41	II
18402391KH	390	15	0.79	2.5	0.90	0.37	II
18402471KH	470	15	0.79	2.3	1.0	0.34	II
18402561KH	560	15	0.79	2.1	1.3	0.31	II
18402681KH	680	15	0.79	1.9	1.5	0.28	II
18402821KH	820	15	0.79	1.7	2.0	0.25	II
18402102KH	1000	30	0.25	1.5	2.5	0.23	II
18402122KH	1200	30	0.25	1.3	3.0	0.2	II
18402152KH	1500	30	0.25	1.2	3.5	0.18	II

B. Dimensions: mm (Inch)

Series	a	b	c	d	e
18402 TYPE I	Ø8.5 (0.335)	8.0 (0.315)	5.0 (0.197)	8.0 (0.315)	Ø0.5~0.7 (0.020~0.028)
Tol.	Max.	Max.	±1.0 (0.039)	±1.5 (0.059)	Typ.
18402 TYPE II	Ø8.5 (0.335)	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. 18402xxx_H, "18402" = 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 (7.5A) - 1500uH, (180mA)
8. DCR: From 0.005 - 3.5 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