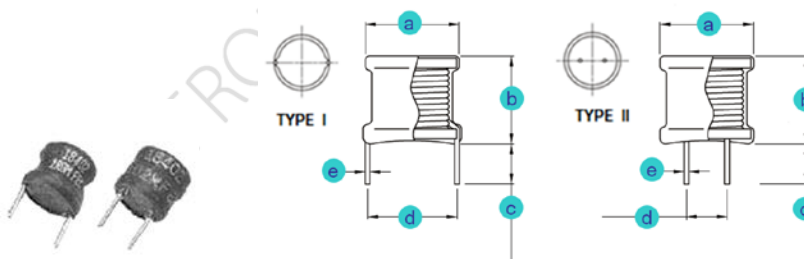


A. Electrical Specifications:

Part Number	L (uH) @ 1KHz	Tol.	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184021R0M	1	M	20	7.9	68	0.005	7.5	I
184021R5M	1.5	M	20	7.9	56	0.008	6.6	I
184022R2M	2.2	M	20	7.9	45	0.010	5.4	I
184023R3M	3.3	M	20	7.9	38	0.013	4.5	I
184024R7M	4.7	M	20	7.9	30	0.017	3.7	I
184026R8M	6.8	M	20	7.9	24	0.022	3.1	I
18402100K	10	K	20	2.5	19	0.03	2.5	I
18402120K	12	K	20	2.5	17	0.04	2.2	I
18402150K	15	K	20	2.5	15	0.05	2.0	I
18402180K	18	K	20	2.5	13	0.06	1.8	II
18402220K	22	K	20	2.5	12	0.07	1.6	II
18402270K	27	K	20	2.5	11	0.08	1.4	II
18402330K	33	K	20	2.5	10	0.10	1.3	II
18402390K	39	K	20	2.5	9	0.12	1.2	II
18402470K	47	K	20	2.5	8	0.14	1.1	II
18402560K	56	K	20	2.5	7	0.16	0.96	II
18402680K	68	K	20	2.5	6.5	0.18	0.91	II
18402820K	82	K	20	2.5	6	0.20	0.83	II
18402101K	100	K	15	0.79	5.5	0.25	0.75	II
18402121K	120	K	15	0.79	5	0.33	0.68	II
18402151K	150	K	15	0.79	4.5	0.40	0.61	II
18402181K	180	K	15	0.79	4	0.50	0.55	II
18402221K	220	K	15	0.79	3.5	0.60	0.50	II
18402271K	270	K	15	0.79	3.2	0.70	0.45	II
18402331K	330	K	15	0.79	2.8	0.80	0.41	II
18402391K	390	K	15	0.79	2.5	0.90	0.37	II
18402471K	470	K	15	0.79	2.3	1.0	0.34	II
18402561K	560	K	15	0.79	2.1	1.3	0.31	II
18402681K	680	K	15	0.79	1.9	1.5	0.28	II
18402821K	820	K	15	0.79	1.7	2.0	0.25	II
18402102K	1000	K	30	0.25	1.5	2.5	0.23	II
18402122K	1200	K	30	0.25	1.3	3.0	0.2	II
18402152K	1500	K	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_, “18402” = 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 (7.5 A) - 1500uH, (0.18 A)
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

E. Supplementary Information:

1. Solder Profile

