

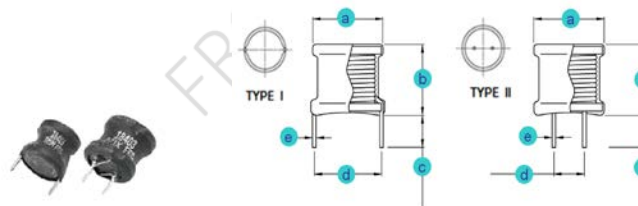


A. Electrical Specifications:

Part Number	L (uH) @ 1KHz	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184031R0MH	1.0	20	7.9	85	0.004	10.00	I
184031R5MH	1.5	20	7.9	64	0.005	8.30	I
184032R2MH	2.2	20	7.9	48	0.006	6.90	I
184033R3MH	3.3	20	7.9	36	0.008	5.60	I
184034R7MH	4.7	20	7.9	28	0.009	4.70	I
184036R8MH	6.8	20	7.9	22	0.012	3.90	I
18403100KH	10	20	2.5	16	0.016	3.20	I
18403120KH	12	20	2.5	14	0.018	2.90	I
18403150KH	15	20	2.5	12	0.020	2.60	I
18403180KH	18	20	2.5	11	0.025	2.40	I
18403220KH	22	20	2.5	10	0.030	2.20	I
18403270KH	27	20	2.5	9.0	0.040	2.00	I
18403330KH	33	20	2.5	8.0	0.050	1.80	I
18403390KH	39	20	2.5	7.0	0.060	1.65	I
18403470KH	47	20	2.5	6.0	0.070	1.50	I
18403560KH	56	20	2.5	5.5	0.080	1.35	I
18403680KH	68	20	2.5	5.0	0.10	1.20	I
18403820KH	82	20	2.5	4.5	0.12	1.10	II
18403101KH	100	20	0.79	4.0	0.14	1.00	II
18403121KH	120	20	0.79	3.5	0.18	0.90	II
18403151KH	150	20	0.79	3.0	0.22	0.82	II
18403181KH	180	20	0.79	2.8	0.25	0.75	II
18403221KH	220	20	0.79	2.5	0.31	0.68	II
18403271KH	270	20	0.79	2.2	0.36	0.61	II
18403331KH	330	20	0.79	2.0	0.42	0.55	II
18403391KH	390	20	0.79	1.8	0.48	0.50	II
18403471KH	470	15	0.79	1.6	0.52	0.46	II
18403561KH	560	15	0.79	1.4	0.65	0.42	II
18403681KH	680	15	0.79	1.3	0.80	0.38	II
18403821KH	820	15	0.79	1.2	1.0	0.34	II
18403102KH	1000	20	0.25	1.00	1.5	0.31	II
18403122KH	1200	20	0.25	0.90	1.8	0.28	II
18403152KH	1500	20	0.25	0.85	2.0	0.25	II
18403182KH	1800	20	0.25	0.80	2.5	0.23	II
18403222KH	2200	20	0.25	0.75	3.0	0.21	II
18403272KH	2700	20	0.25	0.70	3.5	0.19	II
18403332KH	3300	20	0.25	0.65	4.0	0.17	II
18403392KH	3900	20	0.25	0.60	5.0	0.15	II
18403472KH	4700	20	0.25	0.55	6.0	0.14	II
18403562KH	5600	20	0.25	0.50	7.5	0.13	II
18403682KH	6800	20	0.25	0.45	9.5	0.12	II
18403822KH	8200	20	0.25	0.40	11.0	0.11	II
18403103KH	10000	50	0.079	0.35	12.0	0.10	II
18403123KH	12000	50	0.079	0.30	13.5	0.09	II
18403153KH	15000	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_H, “18403” = 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 (10A) - 15000uH (80mA)
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