Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
TEL: (805) 522-9998 FAX: (805) 522-9989
E-mail: frontiersales@frontierusa.com
Web: frontierusa.com

Radial Leads Inductors (Choke Coil)—18402 series

A. Specifications:

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

★ ***Custom specifications are available.***

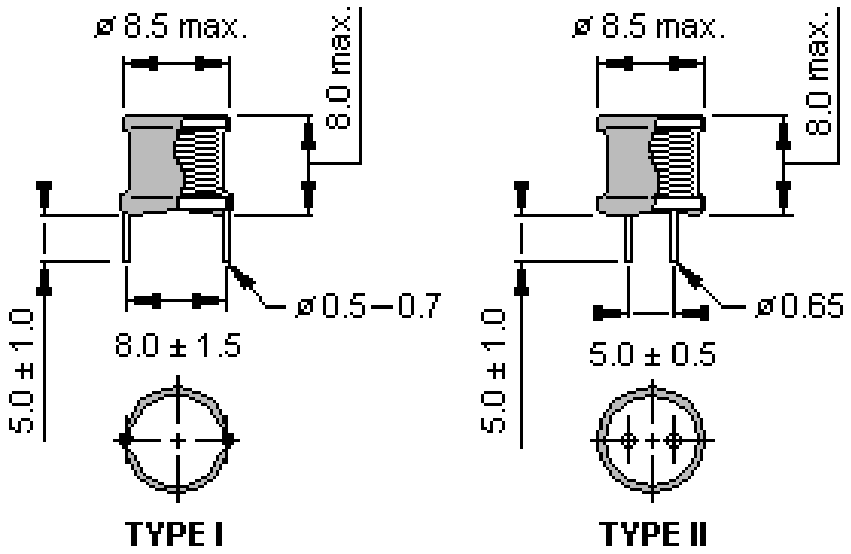
Note: RoHS compliant; for the ROHS parts, we add "-LFR" at the end of the P/N.

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B. Mechanical Dimensions:



C. General Information:

1. Inductance Tolerance: M:±20%, K: ±10%.
2. Inductance (Current) ranges: 1.0uH (7.5A) - 1500uH, (180mA)
3. DCR: from 0.005 - 3.5 Ohms.
4. Operating temperature: -20°C to +85°C.
5. Temperature rise: 25°C Max.
6. Ambient temperature: 60°C Max.
7. Test condition: 1 KHz.
8. Test equipment:
   L: HP4276A LCZ Meter.
   Q: HP4342A at specified frequency.
   DCR: Milli-Ohm meter.
   SRF: HP4191A.

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