Frontier Electronics Corp.

667 E. COCHRAN STREET, SIMI VALLEY, CA 93065
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Radial Leads Inductors (Choke Coil)—18401 series

A. Specifications:

Part Number	L (uH) @ 1KHz	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Type
184011R0M	1.0	20	7.9	70	0.007	6.60	I
184011R5M	1.5	20	7.9	60	0.010	5.40	I
184012R2M	2.2	20	7.9	45	0.015	4.50	I
184013R3M	3.3	20	7.9	35	0.020	3.60	I
184014R7M	4.7	20	7.9	30	0.025	3.10	I
184016R8M	6.8	20	7.9	25	0.030	2.50	I
18401100K	10	20	2.5	20	0.045	2.10	I I
18401120K	12	20	2.5	17	0.050	1.90	I I
18401150K	15	20	2.5	15	0.065	1.70	I I
18401180K	18	20	2.5	13	0.080	1.50	I I
18401220K	22	20	2.5	12	0.10	1.40	I I
18401270K	27	20	2.5	10	0.12	1.20	I I
18401330K	33	20	2.5	9.2	0.14	1.10	I I
18401390K	39	20	2.5	8.5	0.17	1.00	I I
18401470K	47	20	2.5	7.5	0.21	0.95	I I
18401560K	56	20	2.5	7.0	0.24	0.80	I I
18401680K	68	20	2.5	6.5	0.28	0.75	I I
18401820K	82	20	2.5	5.5	0.31	0.70	I I
18401101K	100	20	0.79	5.0	0.35	0.65	I I
18401121K	120	20	0.79	4.5	0.45	0.60	I I
18401151K	150	20	0.79	4.0	0.56	0.53	I I
18401181K	180	20	0.79	3.5	0.65	0.48	I I
18401221K	220	20	0.79	3.2	0.72	0.44	I I
18401271K	270	20	0.79	2.8	0.86	0.40	I I
18401331K	330	20	0.79	2.5	1.10	0.36	I I
18401391K	390	20	0.79	2.2	1.50	0.33	I I
18401471K	470	20	0.79	2.0	1.70	0.30	I I
18401561K	560	20	0.79	1.8	2.0	0.27	I I
18401681K	680	20	0.79	1.7	2.5	0.25	I I
18401821K	820	20	0.79	1.5	3.0	0.22	I I
18401102K	1000	50	0.25	1.3	4.5	0.20	I I

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

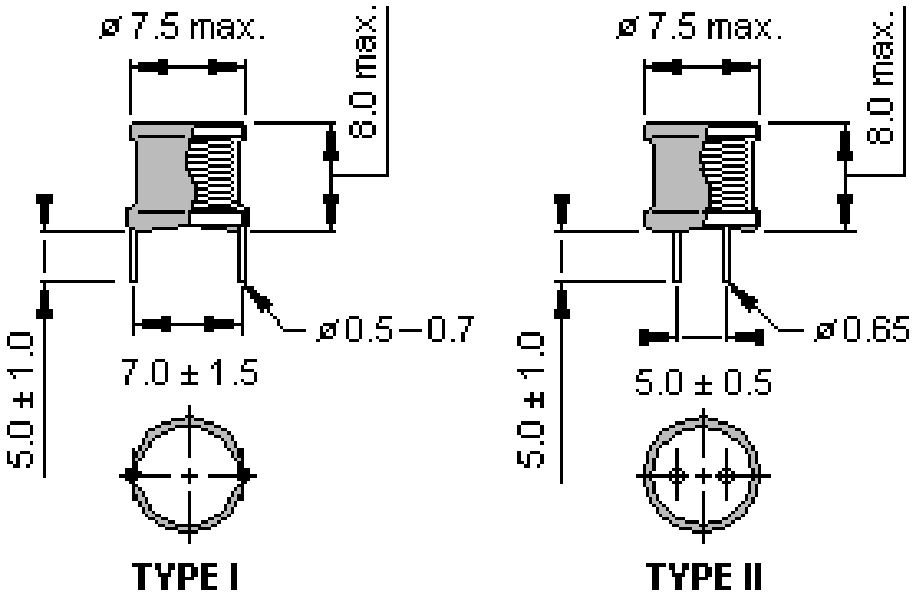
Note: RoHS compliant; for the ROHS parts, we add "-LFR" at the end of the P/N.

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B. Mechanical Dimensions:



C. General Information:

1. Inductance Tolerance: M:±20%, K: ±10%.
2. Inductance (Current) ranges: 1.0uH (6.6A) - 1000uH, (200mA)
3. DCR: from 0.007 - 4.5 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.

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

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