

**AXIAL MOLDED
RF INDUCTOR
SERIES A4**

FEATURES

- Meets all requirements of MIL-C-15305
- Sturdy construction
- High reliability, uniform in size, ideal for auto insertion
- Precision performance

ELECTRICAL CHARACTERISTICS

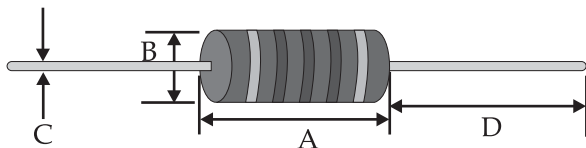
- Inductance range 0.15 μ H to 1000 μ H
- Tolerance $\pm 10\%$ for L values under 36 μ H
 $\pm 5\%$ for L values above 33 μ H
- Rated current Based on Lo changes within $\pm 10\%$ typical
- Test procedures L & Q are measured with Q Meter HP-4342A at specified frequency

PHYSICAL CHARACTERISTICS

- Dielectric strength 1000 volts RMS
- Operating temp. -55°C to +125°C
- Terminal strength 5 lbs pull test per MIL-STD-202E
- Resistance to solvents Conforms to MIL-STD-202E
- Construction Epoxy molded
- Marking 5 Band color code per MIL-C- 15305
- Packaging Bulk: 500 pieces per bag
Reel: 2500 pieces per reel

DIMENSIONS IN INCHES

- Body length A 0.375" $\pm$ 0.01"
- Body diameter B 0.156" $\pm$ 0.01"
- Lead wire C 22 AWG / TCW
- Lead length D 1.15" nominal



Part Number	L (μ H)	Tol % $\pm$	Q Min	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated (I) Max (mA)
A4-331J	330	5	65	0.79	5.1	12.0	136
A4-361J	360	5	65	0.79	4.8	12.5	134
A4-391J	390	5	65	0.79	4.5	16.3	117
A4-431J	430	5	65	0.79	4.2	17.1	115
A4-471J	470	5	65	0.79	3.9	17.9	112
A4-511J	510	5	65	0.79	3.7	18.8	109
A4-561J	560	5	65	0.79	3.8	19.5	107
A4-621J	620	5	65	0.79	3.3	25.9	93
A4-681J	680	5	65	0.79	3.1	27.2	91
A4-751J	750	5	65	0.79	2.9	28.6	88
A4-821J	820	5	65	0.79	2.7	30.0	86
A4-911J	910	5	65	0.79	2.5	31.5	84
A4-102J	1000	5	65	0.79	2.3	33.0	82

SPECIFICATIONS

Part Number	L (μ H)	Tol % $\pm$	Q Min	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated (I) Max (mA)
A4-R15K	0.15	10	50	25	525	0.030	2740
A4-R22K	0.22	10	50	25	450	0.055	2020
A4-R33K	0.33	10	45	25	360	0.090	1580
A4-R47K	0.47	10	45	25	310	0.120	1370
A4-R56K	0.56	10	50	25	280	0.135	1290
A4-R68K	0.68	10	50	25	250	0.150	1220
A4-R82K	0.82	10	50	25	220	0.220	1020
A4-1R0K	1.00	10	50	25	200	0.290	880
A4-1R2K	1.2	10	33	7.9	180	0.42	730
A4-1R5K	1.5	10	33	7.9	160	0.50	670
A4-1R8K	1.8	10	33	7.9	150	0.65	590
A4-2R2K	2.2	10	33	7.9	135	0.95	485
A4-2R7K	2.7	10	33	7.9	120	1.20	430
A4-3R3K	3.3	10	33	7.9	110	2.00	335
A4-3R9K	3.9	10	33	7.9	100	2.30	310
A4-4R7K	4.7	10	33	7.9	90	2.60	294
A4-5R6K	5.6	10	45	7.9	60	0.32	565
A4-6R8K	6.8	10	50	7.9	55	0.50	450
A4-8R2K	8.2	10	50	7.9	50	0.60	410
A4-100K	10.0	10	55	7.9	45	0.90	335
A4-120K	12	10	65	2.5	42	1.10	305
A4-150K	15	10	65	2.5	40	1.40	271
A4-180K	18	10	75	2.5	34	2.25	213
A4-220K	22	10	75	2.5	30	2.50	202
A4-240K	24	10	60	2.5	26	2.50	202
A4-270K	27	10	60	2.5	25	2.60	198
A4-300K	30	10	65	2.5	21	2.80	191
A4-330K	33	10	65	2.5	19	3.00	185
A4-360J	36	5	60	2.5	15.5	2.50	202
A4-390J	39	5	60	2.5	14.5	2.60	198
A4-430J	43	5	60	2.5	13.7	2.70	194
A4-470J	47	5	55	2.5	13.0	2.75	193
A4-510J	51	5	55	2.5	12.7	2.85	189
A4-560J	56	5	55	2.5	12.0	3.00	184
A4-620J	62	5	55	2.5	11.5	3.15	180
A4-680J	68	5	55	2.5	11.0	3.30	176
A4-750J	75	5	55	2.5	10.5	3.70	166
A4-820J	82	5	50	2.5	10.3	3.90	162
A4-910J	91	5	50	2.5	10.0	4.30	154
A4-101J	100	5	50	2.5	9.5	4.50	151
A4-111J	110	5	60	0.79	8.9	4.90	144
A4-121J	120	5	65	0.79	8.7	5.20	140
A4-131J	130	5	65	0.79	8.5	5.45	137
A4-151J	150	5	65	0.79	8.0	6.05	130
A4-161J	160	5	65	0.79	7.5	6.40	126
A4-181J	180	5	65	0.79	8.0	6.05	130
A4-201J	200	5	65	0.79	6.5	7.10	123
A4-221J	220	5	65	0.79	6.2	7.45	117
A4-241J	240	5	65	0.79	5.9	7.80	115
A4-271J	270	5	65	0.79	5.7	11.0	143
A4-301J	300	5	65	0.79	5.4	11.5	140