

**AXIAL SHIELDED
RF INDUCTOR
B3 SERIES**

FEATURES

- Same size and electrical parameter as MS-75087, MS-75088, MS-75089, MS-90537
- Meets all requirements of MIL-C-15305
- Sturdy construction & precision performance

ELECTRICAL CHARACTERISTICS

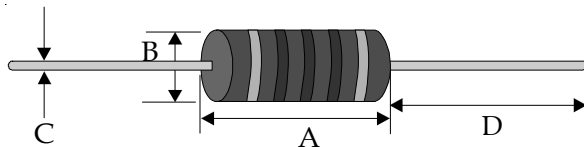
- Inductance range 0.10 μ H to 1000 μ H
- Tolerance $\pm 10\%$ over entire range
- Shielding 5% coupling maximum
- Rated current Based on Lo changes within $\pm 10\%$ typical
- Test procedures L & Q are measured with Q Meter HP-4342A at specified frequency

PHYSICAL CHARACTERISTICS

- Dielectric strength 500 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 Molded, Ferrite sleeve shielding
- 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 0.410" $\pm$ 0.02"
- Body diameter B 0.162" $\pm$ 0.01"
- Lead wire C 22 AWG/TCW
- Lead length D 1.15" nominal

**SPECIFICATIONS**

Part Number	L (μ H)	Tol % $\pm$	Q Min	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated (I) Max (mA)
B3-R10K	0.10	10	50	25	250	0.025	1790
B3-R12K	0.12	10	51	25	250	0.034	1530
B3-R15K	0.15	10	51	25	250	0.037	1470
B3-R18K	0.18	10	50	25	250	0.047	1300
B3-R22K	0.22	10	49	25	250	0.067	1100
B3-R27K	0.27	10	47	25	250	0.110	855
B3-R33K	0.33	10	46	25	250	0.130	780
B3-R39K	0.39	10	44	25	250	0.180	670
B3-R47K	0.47	10	44	25	235	0.250	565
B3-R56K	0.56	10	43	25	210	0.330	490
B3-R68K	0.68	10	42	25	190	0.450	420
B3-R82K	0.82	10	40	25	180	0.590	370
B3-1R0K	1.00	10	40	25	140	0.070	1070
B3-1R2K	1.2	10	44	7.9	130	0.10	895
B3-1R5K	1.5	10	44	7.9	115	0.12	815
B3-1R8K	1.8	10	44	7.9	105	0.14	775
B3-2R2K	2.2	10	44	7.9	100	0.19	650
B3-2R7K	2.7	10	44	7.9	92	0.28	535
B3-3R3K	3.3	10	44	7.9	85	0.35	480
B3-3R9K	3.9	10	44	7.9	75	0.40	450
B3-4R7K	4.7	10	44	7.9	70	0.55	380
B3-5R6K	5.6	10	44	7.9	65	0.72	335
B3-6R8K	6.8	10	50	7.9	55	1.02	280
B3-8R2K	8.2	10	50	7.9	50	1.32	250
B3-100K	10.0	10	50	7.9	46	1.62	220
B3-120K	12	10	55	2.5	44	2.00	200
B3-150K	15	10	45	2.5	49	0.80	315
B3-180K	18	10	45	2.5	45	0.89	300
B3-220K	22	10	45	2.5	41	0.96	290
B3-270K	27	10	45	2.5	38	1.19	260
B3-330K	33	10	45	2.5	34	1.37	240
B3-390K	39	10	50	2.5	29	1.93	205
B3-470K	47	10	50	2.5	27	2.11	195
B3-560K	56	10	40	2.5	25	2.23	190
B3-680K	68	10	50	2.5	21	2.70	170
B3-820K	82	10	50	2.5	10.5	2.44	180
B3-101K	100	10	50	2.5	10.0	3.12	160
B3-121K	120	10	55	0.79	9.7	3.60	150
B3-151K	150	10	55	0.79	8.5	4.10	140
B3-181K	180	10	55	0.79	8.0	4.40	135
B3-221K	220	10	55	0.79	7.5	5.00	125
B3-271K	270	10	55	0.79	7.0	5.80	115
B3-331K	330	10	55	0.79	6.5	6.40	110
B3-391K	390	10	60	0.79	6.2	7.40	105
B3-471K	470	10	60	0.79	5.7	9.50	92
B3-561K	560	10	60	0.79	4.7	10.5	90
B3-681K	680	10	60	0.79	4.5	11.8	80
B3-821K	820	10	57	0.79	4.2	13.0	80
B3-102K	1000	10	65	0.79	3.8	17.5	70