

**AXIAL SHIELDED
RF INDUCTOR
SERIES B4**

FEATURES

- High inductance values
- Ferrite shielding
- Meets all requirements of MIL-C-15305
- Sturdy construction & Precision performance

ELECTRICAL CHARACTERISTICS

- Inductance range 1000 μ H to 100,000 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 is measured at 1 KHz
Q is measured with HP-4342A and at 790 KHz for 1000 μ H at 250 KHz for 1200 μ H to 10000 μ H at 79 KHz for 12000 μ H to 100000 μ H

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 Epoxy end fill, ferrite shielded
- Marking 5 Band color code per Mil-C-15305
- Packaging Bulk: 500 pieces per bag
Reel: 2500 pieces per reel

SPECIFICATIONS

Part Number	L (μ H)	Tol % \pm	Q Min	SRF (MHz)	DCR (Ω)	Rated current (mA)
B4-102K	1000	10	65	4.5	12.1	139
B4-122K	1200	10	70	2.6	15.1	125
B4-152K	1500	10	70	2.5	16.8	119
B4-182K	1800	10	70	2.3	19.1	111
B4-222K	2200	10	70	2.2	22.0	103
B4-272K	2700	10	70	2.1	25.1	97
B4-332K	3300	10	70	2.0	33.3	85
B4-392K	3900	10	70	1.8	36.8	80
B4-472K	4700	10	70	1.7	51.2	68
B4-562K	5600	10	70	1.6	54.6	66
B4-682K	6800	10	70	1.5	62.0	62
B4-822K	8200	10	70	1.4	86.6	52
B4-103K	10000	10	70	1.3	93.1	50
B4-123K	12000	10	50	0.9	94.0	53
B4-153K	15000	10	50	0.8	97.0	49
B4-183K	18000	10	50	0.7	104	48
B4-223K	22000	10	50	0.6	145	40
B4-273K	27000	10	50	0.5	195	34
B4-333K	33000	10	50	0.4	222	32
B4-393K	39000	10	50	0.4	242	31
B4-473K	47000	10	50	0.37	317	27
B4-563K	56000	10	50	0.36	362	25
B4-683K	68000	10	50	0.35	410	24
B4-823K	82000	10	50	0.34	440	23
B4-104K	100000	10	50	0.32	484	22

DIMENSIONS IN INCHES

- Body length A 0.450" maximum
- Body diameter B 0.164" maximum
- Lead wire C 24 AWG/TCW
- Lead length D 1.15" nominal

