

**SMD SHIELDED
RF INDUCTOR
SERIES SB4**

FEATURES

- Direct cross to B4 thru hole series
- 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 Less than 5% coupling
- Rated current Obtained when L o
changes within \pm 10% typical
- Test procedures L is measured at 1 KHz
Q is measured with HP-4342A
at 0.79 MHz for L 1000uH
at 0.25 MHz for L 1200 to 10000
at 0.079 MHz for L above 10000

PHYSICAL CHARACTERISTICS

- Operating temperature -55°C to +105°C
- Terminal Tinned copper wire
- Resistance to solvents Conforms to MIL-STD-202E
- Construction Ferrite shielded
- Packaging T & R with 500 pieces /reel

SPECIFICATIONS

PART NUMBER	L (μ H)	Tol % \pm	Q	SRF (MHz)	DCR (Ω)	RATED CURRENT (mA)
SB4-102K	1000	10	65	4.5	12.1	139
SB4-122K	1200	10	70	2.6	15.1	125
SB4-152K	1500	10	70	2.5	16.8	119
SB4-182K	1800	10	70	2.3	19.1	111
SB4-222K	2200	10	70	2.2	22.0	103
SB4-272K	2700	10	70	2.1	25.1	97
SB4-332K	3300	10	70	2.0	33.3	85
SB4-392K	3900	10	70	1.8	36.8	80
SB4-472K	4700	10	70	1.7	51.2	68
SB4-562K	5600	10	70	1.6	54.6	66
SB4-682K	6800	10	70	1.5	62.0	62
SB4-822K	8200	10	70	1.4	86.6	52
SB4-103K	10000	10	70	1.3	93.1	50
SB4-123K	12000	10	50	0.88	84.0	53
SB4-153K	15000	10	50	0.78	97.0	49
SB4-183K	18000	10	50	0.72	104	48
SB4-223K	22000	10	50	0.57	145	40
SB4-273K	27000	10	50	0.46	195	34
SB4-333K	33000	10	50	0.42	222	32
SB4-393K	39000	10	50	0.42	242	31
SB4-473K	47000	10	50	0.37	317	27
SB4-563K	56000	10	50	0.36	362	25
SB4-683K	68000	10	50	0.35	410	24
SB4-823K	82000	10	50	0.34	440	23
SB4-104K	100000	10	50	0.32	484	22

DIMENSIONS IN INCHES

- Length A 0.49" to 0.52"
- Width B 0.23" to 0.25"
- Height C 0.21" to 0.23"
- Terminal length D 0.05" minimum
- Terminal width E 0.055" to 0.095"

LAND PATTERN

