

**MINIATURE
AXIAL SHIELDED
RF INDUCTOR
SERIES B2**

FEATURES

- Exceptional Q characteristics
- Excellent inductance to size ratio
- Well suited for high density applications where minimum coupling and high inductance are mandatory

ELECTRICAL CHARACTERISTICS

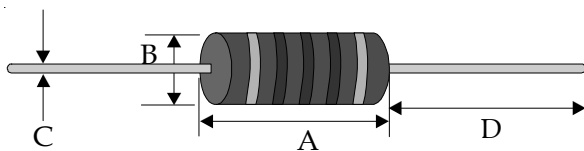
- Inductance range 0.10 μ H to 1000 μ H
- Tolerance $\pm 10\%$ over entire range
- Shielding 5% coupling maximum with 2 units side by side within 1mm
- Rated current Based on L_o changes within $\pm 10\%$ typical
- Test procedures L & Q are measured with Q Meter HP-4342A at specified frequency

PHYSICAL CHARACTERISTICS

- Dielectric strength 500 volts RMS
- Operating temp. -55°C to +125°C
- Terminal strength 5 lbs pull test per MIL-STD-202E
- Construction Epoxy end fill, ferrite shielded
- Marking 5 band color code per MIL-C-15305
- Packaging Bulk: 1000 pieces per bag
Reel: 5000 pieces per reel

DIMENSIONS IN INCHES

- Body length A 0.335" maximum
- Body diameter B 0.132" maximum
- Lead wire C 24 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)
B2-R10K	0.10	10	42	25	500	0.112	1720
B2-R12K	0.12	10	42	25	500	0.126	1630
B2-R15K	0.15	10	42	25	500	0.136	1550
B2-R18K	0.18	10	42	25	336	0.165	1420
B2-R22K	0.22	10	42	25	331	0.198	1330
B2-R27K	0.27	10	42	25	298	0.220	1230
B2-R33K	0.33	10	42	25	288	0.258	1140
B2-R39K	0.39	10	42	25	271	0.292	1060
B2-R47K	0.47	10	41	25	247	0.360	960
B2-R56K	0.56	10	39	25	236	0.397	915
B2-R68K	0.68	10	36	25	216	0.472	840
B2-R82K	0.82	10	35	25	200	0.638	720
B2-1R0K	1.00	10	42	25	136	0.208	1260
B2-1R2K	1.2	10	38	7.9	120.0	0.225	1210
B2-1R5K	1.5	10	38	7.9	111.0	0.265	1120
B2-1R8K	1.8	10	38	7.9	103.0	0.285	1080
B2-2R2K	2.2	10	38	7.9	94.0	0.330	1000
B2-2R7K	2.7	10	38	7.9	84.8	0.381	935
B2-3R3K	3.3	10	38	7.9	78.4	0.432	875
B2-3R9K	3.9	10	40	7.9	72.8	0.576	755
B2-4R7K	4.7	10	42	7.9	66.4	0.787	650
B2-5R6K	5.6	10	42	7.9	61.6	1.04	565
B2-6R8K	6.8	10	45	7.9	54.6	1.40	485
B2-8R2K	8.2	10	47	7.9	49.6	1.68	440
B2-100K	10.0	10	51	7.9	44.0	2.58	355
B2-120K	12	10	51	2.5	39.2	3.65	300
B2-150K	15	10	45	2.5	44.0	0.86	620
B2-180K	18	10	43	2.5	40.0	1.02	570
B2-220K	22	10	42	2.5	36.0	1.12	545
B2-270K	27	10	37	2.5	32.8	1.28	510
B2-330K	33	10	46	2.5	29.6	1.70	440
B2-390K	39	10	38	2.5	26.4	1.99	405
B2-470K	47	10	42	2.5	23.2	2.41	370
B2-560K	56	10	41	2.5	21.6	2.85	340
B2-680K	68	10	46	2.5	18.4	3.21	320
B2-820K	82	10	46	2.5	16.8	3.57	305
B2-101K	100	10	43	2.5	15.2	4.10	280
B2-121K	120	10	50	0.79	14.4	5.97	235
B2-151K	150	10	49	0.79	12.0	7.05	215
B2-181K	180	10	56	0.79	11.2	8.12	200
B2-221K	220	10	53	0.79	9.6	14.8	150
B2-271K	270	10	57	0.79	9.2	16.8	140
B2-331K	330	10	57	0.79	8.4	18.6	130
B2-391K	390	10	57	0.79	8.0	21.1	120
B2-471K	470	10	50	0.79	6.8	32.2	100
B2-561K	560	10	50	0.79	6.0	36.4	95
B2-681K	680	10	56	0.79	5.6	41.1	90
B2-821K	820	10	49	0.79	5.2	45.0	85
B2-102K	1000	10	49	0.79	4.8	52.0	80