

**AXIAL CONFORMAL COATED  
RF INDUCTOR  
SERIES C3**

**FEATURES**

- Superior Q
- Low price
- Uniform coating

**ELECTRICAL CHARACTERISTICS**

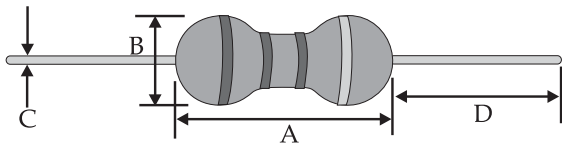
- Inductance range      0.10μH to 1000μH
- Tolerance                ±10% over entire range\*
- Rated current          Based on Lo changes within  
   ±10% typical
- Test procedure         L & Q are measured with Q  
   Meter HP-4342A @ specified  
   frequency

**PHYSICAL CHARACTERISTICS**

- Dielectric strength    500 volts RMS
- Operating temp.        -55°C to +125°C
- Terminal strength      5 lbs pull test per MIL-STD-202
- Resistance to solvents Conforms to MIL-STD-202
- Construction            Epoxy coated
- Marking                  4 band EIA color code
- Packaging                 Bulk 1000 pcs / bag  
   Reel 5000 pcs

**DIMENSIONS IN INCHES**

- Body length A          0.290" maximum
- Body diameter B        0.110" maximum
- Lead wire C             24 AWG/TCW
- Lead length D          1.15" nominal



\*NOTE: Special tolerances are available on order.

**SPECIFICATIONS**

Part Number	L (μH)	Tol % ±	Q Min	Test Freq. (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated Current (mA)
C3-R10K	0.10	10	40	25	400	0.06	1360
C3-R12K	0.12	10	40	25	400	0.06	1280
C3-R15K	0.15	10	40	25	400	0.07	1200
C3-R18K	0.18	10	40	25	400	0.07	1120
C3-R22K	0.22	10	40	25	400	0.08	1120
C3-R27K	0.27	10	40	25	360	0.08	1110
C3-R33K	0.33	10	40	25	350	0.08	1110
C3-R39K	0.39	10	40	25	320	0.09	1000
C3-R47K	0.47	10	40	25	300	0.10	1000
C3-R56K	0.56	10	40	25	280	0.11	950
C3-R68K	0.68	10	40	25	250	0.12	900
C3-R82K	0.82	10	40	25	200	0.12	900
C3-1R0K	1.00	10	40	25	180	0.15	815
C3-1R2K	1.2	10	45	7.9	165	0.18	740
C3-1R5K	1.5	10	45	7.9	150	0.20	700
C3-1R8K	1.8	10	50	7.9	125	0.23	655
C3-2R2K	2.2	10	50	7.9	110	0.25	630
C3-2R7K	2.7	10	50	7.9	96	0.28	595
C3-3R3K	3.3	10	50	7.9	70	0.30	575
C3-3R9K	3.9	10	45	7.9	65	0.32	555
C3-4R7K	4.7	10	45	7.9	50	0.35	530
C3-5R6K	5.6	10	45	7.9	40	0.40	500
C3-6R8K	6.8	10	40	7.9	30	0.45	470
C3-8R2K	8.2	10	50	7.9	28	0.55	425
C3-100K	10.0	10	40	7.9	22	0.72	370
C3-120K	12	10	45	2.5	20.0	0.80	350
C3-150K	15	10	50	2.5	16.0	0.88	335
C3-180K	18	10	50	2.5	15.0	1.00	315
C3-220K	22	10	50	2.5	13.0	1.20	285
C3-270K	27	10	50	2.5	11.0	1.35	270
C3-330K	33	10	50	2.5	10.0	1.50	255
C3-390K	39	10	50	2.5	9.50	1.70	240
C3-470K	47	10	60	2.5	8.50	2.30	205
C3-560K	56	10	60	2.5	7.50	2.60	195
C3-680K	68	10	60	2.5	6.50	2.90	185
C3-820K	82	10	60	2.5	6.00	3.20	175
C3-101K	100	10	60	2.5	5.50	3.50	165
C3-121K	120	10	60	0.79	5.40	3.80	160
C3-151K	150	10	60	0.79	4.75	4.40	150
C3-181K	180	10	60	0.79	4.35	5.00	140
C3-221K	220	10	60	0.79	4.00	5.70	130
C3-271K	270	10	60	0.79	3.70	6.50	120
C3-331K	330	10	60	0.79	3.40	9.50	100
C3-391K	390	10	60	0.79	2.80	10.5	95
C3-471K	470	10	60	0.79	2.55	11.6	90
C3-561K	560	10	60	0.79	2.35	13.0	85
C3-681K	680	10	60	0.79	2.00	18.0	75
C3-821K	820	10	60	0.79	1.50	23.0	65
C3-102K	1000	10	60	0.79	1.20	26.0	60