

**AXIAL CONFORMAL COATED  
RF INDUCTOR  
SERIES C7**

**FEATURES**

- High inductance values
- Similar electrical characteristics as MS-90539 series, but at smaller sizes
- Meets all requirements of MIL-C-15305
- Sturdy construction & precision performance

**ELECTRICAL CHARACTERISTICS**

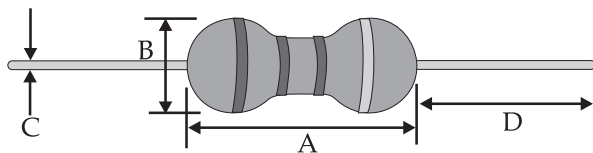
- Inductance range    1000 $\mu$ H to 100,000 $\mu$ H
- Tolerance             $\pm$ 10% over entire range
- Rated current        Based on Lo changes within  $\pm$ 10% typical
- Test equipment      L & Q are measured with Q Meter HP-4342A

**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 solvent Conforms to MIL-STD-202E
- Construction         Epoxy coated
- Marking                4 Band EIA color code
- Packaging              Bulk 500 pieces per bag  
Reel 2500 pieces per reel

**DIMENSIONS IN INCHES**

- Body length A        0.375" maximum
- Body diameter B     0.175" maximum
- Lead wire             22 AWG/TCW
- Lead length          1.15" nominal



**SPECIFICATIONS**

Part Number	L ( $\mu$ H )	Tol % $\pm$	Q Min	Test Freq. ( MHz )	SRF Min ( MHz )	DCR Max ( $\Omega$ )	Rated Current ( mA )
C7-102K	1000	10	60	0.25	4.0	16.5	80
C7-112K	1100	10	60	0.25	4.0	19.5	80
C7-122K	1200	10	60	0.25	3.8	21	78
C7-132K	1300	10	60	0.25	2.8	23	75
C7-152K	1500	10	50	0.25	2.4	25	72
C7-162K	1600	10	50	0.25	2.3	26	70
C7-182K	1800	10	50	0.25	2.2	28	68
C7-202K	2000	10	50	0.25	2.1	29	67
C7-222K	2200	10	45	0.25	2.0	30	64
C7-242K	2400	10	45	0.25	1.8	31	60
C7-272K	2700	10	45	0.25	1.5	38	55
C7-302K	3000	10	45	0.25	1.2	40	50
C7-332K	3300	10	45	0.25	1.0	47	45
C7-362K	3600	10	45	0.25	1.0	49	40
C7-392K	3900	10	45	0.25	0.9	53	40
C7-432K	4300	10	45	0.25	0.9	65	38
C7-472K	4700	10	45	0.25	0.8	73	35
C7-502K	5000	10	45	0.25	0.8	75	35
C7-562K	5600	10	45	0.25	0.7	78	30
C7-622K	6200	10	40	0.25	0.7	80	30
C7-682K	6800	10	40	0.25	0.7	81	28
C7-752K	7500	10	40	0.25	0.6	98	28
C7-822K	8200	10	40	0.25	0.6	110	26
C7-912K	9100	10	40	0.25	0.6	119	26
C7-103K	10000	10	40	0.25	0.5	135	25
C7-123K	12000	10	30	0.079	0.40	140	23
C7-133K	13000	10	30	0.079	0.30	155	22
C7-183K	18000	10	30	0.079	0.30	170	21
C7-223K	22000	10	27	0.079	0.30	250	18
C7-273K	27000	10	27	0.079	0.20	300	18
C7-333K	33000	10	27	0.079	0.20	340	15
C7-393K	39000	10	27	0.079	0.18	370	15
C7-473K	47000	10	23	0.079	0.17	470	15
C7-563K	56000	10	23	0.079	0.15	510	14
C7-683K	68000	10	23	0.079	0.15	550	13
C7-823K	82000	10	21	0.079	0.13	610	12
C7-104K	100000	10	18	0.079	0.12	670	12