

**AXIAL CONFORMAL COATED
RF INDUCTOR
SERIES C5**

FEATURES

- Conformal coated inductors
- Same electrical parameters as MS-75087, MS75088, MS-75089, MS-90537
- Meets all requirements of MIL-C-15305
- Sturdy construction
- Low price

ELECTRICAL CHARACTERISTICS

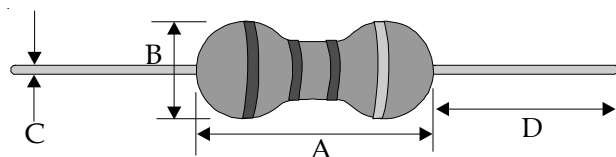
- Inductance range 1 μ H to 3300 μ H
- Tolerance $\pm 10\%$ over entire range
- Rated current Based on I_o changes within $\pm 10\%$ typical
- Testing procedures L & Q are measured with Q Meter HP-4342A at specified frequency

PHYSICAL CHARACTERISTICS

- Dielectric strength 500 volts RMS
- Operating temp. -55°C to +125°C
- Terminal strength 5 lbs pull test per MIL-STD-202E
- Resistance to solvent Conforms to MIL -STD-202E
- Construction Epoxy coated
- Marking 4 Band EIA color code
- Packaging Bulk: 500 pieces per bag
Reel: 5000 pieces per reel

DIMENSIONS IN INCHES

- Body length A 0.375" maximum
- Body diameter B 0.175" maximum
- Lead wire C 22 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 Current (mA)
C5-1R0K	1.0	10	47	7.9	140	0.070	1900
C5-1R2K	1.2	10	46	7.9	130	0.093	1600
C5-1R5K	1.5	10	45	7.9	115	0.12	1300
C5-1R8K	1.8	10	43	7.9	105	0.14	1200
C5-2R2K	2.2	10	45	7.9	100	0.19	1100
C5-2R7K	2.7	10	46	7.9	92	0.28	950
C5-3R3K	3.3	10	44	7.9	85	0.35	800
C5-3R9K	3.9	10	44	7.9	75	0.40	750
C5-4R7K	4.7	10	44	7.9	70	0.55	650
C5-5R6K	5.6	10	47	7.9	65	0.72	550
C5-6R8K	6.8	10	50	7.9	55	1.02	500
C5-8R2K	8.2	10	50	7.9	50	1.32	475
C5-100K	10.0	10	49	7.9	46	1.62	450
C5-120K	12	10	55	2.5	44	2.00	400
C5-150K	15	10	44	2.5	49	0.80	620
C5-180K	18	10	45	2.5	45	0.89	610
C5-220K	22	10	46	2.5	40	0.96	600
C5-270K	27	10	49	2.5	38	1.19	500
C5-330K	33	10	45	2.5	34	1.37	490
C5-390K	39	10	53	2.5	29	1.93	410
C5-470K	47	10	52	2.5	27	2.11	400
C5-560K	56	10	49	2.5	25	2.23	380
C5-680K	68	10	51	2.5	21	2.70	370
C5-820K	82	10	45	2.5	10.5	2.44	360
C5-101K	100	10	45	2.5	10.0	3.12	325
C5-121K	120	10	57	0.79	9.7	3.60	290
C5-151K	150	10	56	0.79	8.5	4.10	275
C5-181K	180	10	60	0.79	8.0	4.40	260
C5-221K	220	10	58	0.79	7.5	5.00	250
C5-271K	270	10	60	0.79	7.0	5.80	240
C5-331K	330	10	54	0.79	6.5	6.40	225
C5-391K	390	10	67	0.79	6.2	7.40	200
C5-471K	470	10	60	0.79	5.7	9.50	180
C5-561K	560	10	60	0.79	4.7	10.5	174
C5-681K	680	10	60	0.79	4.5	11.8	168
C5-821K	820	10	57	0.79	4.2	13.0	152
C5-102K	1000	10	65	0.79	3.8	17.5	135
C5-122K	1200	10	45	0.25	1.5	22.1	115
C5-152K	1500	10	49	0.25	1.2	26.5	110
C5-182K	1800	10	47	0.25	1.0	29.9	105
C5-222K	2200	10	50	0.25	0.97	33.8	99
C5-272K	2700	10	47	0.25	0.92	47.3	83
C5-332K	3300	10	43	0.25	0.84	53.0	80