

**AXIAL MOLDED  
RF INDUCTOR  
SERIES A2**

**FEATURES**

- Same electrical specifications as MIL MS75083, MS75084, MS75085
- Meets all requirements of MIL-C-15305
- Sturdy construction
- High reliability, uniform in size, ideal for auto insertion
- Precision performance

**ELECTRICAL CHARACTERISTICS**

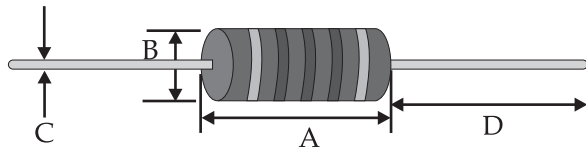
- Inductance range      0.10 $\mu$ H to 1000 $\mu$ H
- Tolerance                 $\pm$  10% over entire range \*
- Rated current            Based on Lo changes within  $\pm$  10% typical
- Test procedures        L & Q are measured with Q Meter HP-4342A at specified frequency

**PHYSICAL CHARACTERISTICS**

- Dielectric strength      1000 volts RMS
- Operating temp.        -55°C to +125°C
- Terminal strength       5 lbs pull test per MIL-STD-202E
- Construction            Epoxy molding
- Resistance to solvents  Conforms to MIL-STD-202
- Marking                 5 band color code per MIL-C-15305
- Packaging                Bulk 1000 pieces / bag  
Reel 5000 pieces

**DIMENSIONS IN INCHES**

- Body length A            0.250"  $\pm$  0.01"
- Body diameter B        0.095"  $\pm$  0.01"
- Lead wire C              24 AWG / TCW
- Lead length D            1.15" nom



\* NOTE:  
Special tolerances are available on order.

**SPECIFICATIONS**

PART NUMBER	L ( $\mu$ H)	Tol % $\pm$	Q Min	Test Freq (MHz)	SRF Min (MHz)	DCR Max ( $\Omega$ )	RATED I Max (mA)
A2-R10K	0.10	10	40	25	680	0.08	1350
A2-R12K	0.12	10	40		640	0.09	1270
A2-R15K	0.15	10	38		600	0.10	1200
A2-R18K	0.18	10	35		550	0.12	1105
A2-R22K	0.22	10	33		510	0.14	1025
A2-R27K	0.27	10	33		430	0.16	960
A2-R33K	0.33	10	30		410	0.22	815
A2-R39K	0.39	10	30		365	0.30	700
A2-R47K	0.47	10	30		330	0.35	650
A2-R56K	0.56	10	30		300	0.50	545
A2-R68K	0.68	10	28	275	0.60	495	
A2-R82K	0.82	10	28	250	0.85	415	
A2-1R0K	1.00	10	25	230	1.00	385	
A2-1R2K	1.2	10	25	7.9	150	0.18	590
A2-1R5K	1.5	10	28		140	0.22	535
A2-1R8K	1.8	10	30		125	0.30	455
A2-2R2K	2.2	10	30		115	0.40	395
A2-2R7K	2.7	10	37		100	0.55	355
A2-3R3K	3.3	10	45		90	0.85	270
A2-3R9K	3.9	10	45		80	1.00	250
A2-4R7K	4.7	10	45		75	1.20	230
A2-5R6K	5.6	10	50		65	1.80	185
A2-6R8K	6.8	10	50		60	2.00	175
A2-8R2K	8.2	10	55	55	2.70	155	
A2-100K	10.0	10	55	50	3.70	130	
A2-120K	12	10	45	2.5	40	2.70	155
A2-150K	15	10	40		35	2.80	150
A2-180K	18	10	50		30	3.10	145
A2-220K	22	10	50		25	3.30	140
A2-270K	27	10	50		20	3.50	135
A2-330K	33	10	45		24	3.40	130
A2-390K	39	10	45		22	3.60	125
A2-470K	47	10	45		20	4.50	110
A2-560K	56	10	45		18	5.70	100
A2-680K	68	10	50		15	6.70	92
A2-820K	82	10	50	14	7.30	88	
A2-101K	100	10	50	13	8.00	84	
A2-121K	120	10	30	0.79	12.0	13	66
A2-151K	150	10	30		11.0	15	61
A2-181K	180	10	30		10.0	17	57
A2-221K	220	10	30		9.0	21	52
A2-271K	270	10	30		8.0	25	47
A2-331K	330	10	30		7.0	28	45
A2-391K	390	10	30		6.5	35	40
A2-471K	470	10	30		6.0	42	36
A2-561K	560	10	30		5.0	46	35
A2-681K	680	10	30		4.0	60	30
A2-821K	820	10	30	3.8	65	29	
A2-102K	1000	10	30	3.4	72	28	