



94 & 94S SERIES



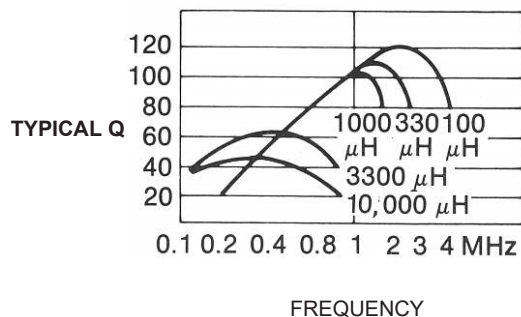
MIL-PRF-15305

ELECTRICAL SPECIFICATIONS

- **Operating Temperature:** -55°C to +125°C
- **Temperature Rise @ 90°C:** ≤ 35°C
- **Dielectric Withstanding Voltage:** 700 V_{RMS}
- **Inductance Tolerances:** ± 5%
- **Inductance TC:** ≤ 1000 uH +25 ppm/°C Max;
1200 thru 1000 uH +125 ppm/°C nominal; +300 ppm/°C Max
- **Frequency Range:** 50 KHz to 50 MHz
- **Maximum Dissipation:** 1/2 Watt
- **Terminal Pull:** 5 pounds
- **Overload Current:** 1.4 times the rated current
- **Different electrical values available upon request**

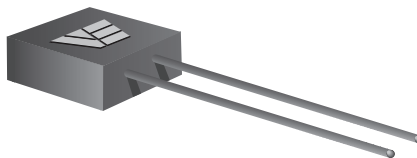
FEATURES

- **Low External Magnetic Field** of toroid permits tighter packaging of units that with other inductive devices
- **Leads:** Tin-lead coated copper wire (standard) or Dumet (contact factory)
- Designed to meet **MIL-PRF-15305**, Grade 1, Class B
- **Moisture, Shock and Immersion Resistant**
- **Altitude Rating:** 70,000 ft



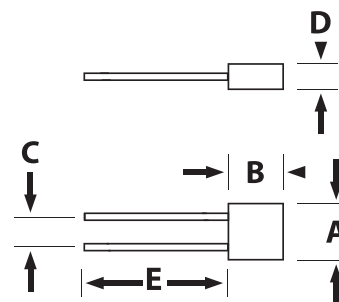
Inductance Range (uH)	DCR max (Ohms)	Current Rating (mA)
100 to 10000	6 to 180	50 to 280

94 SERIES

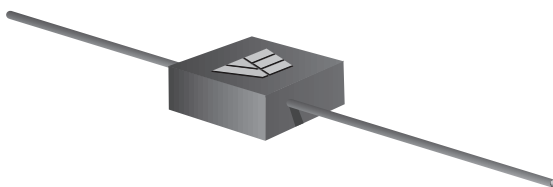


DIMENSIONAL DATA - INCHES

A	0.375 ± 0.015
B	0.375 ± 0.015
C	0.200 ± 0.010
D	0.187 ± 0.010
E	1.0 +.125/-0

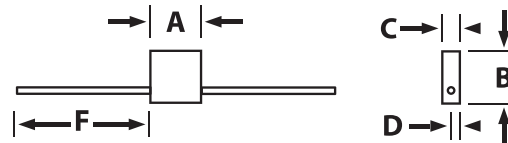


94S SERIES



DIMENSIONAL DATA - INCHES

A	0.375 ± 0.015
B	0.420 MAX.
C	0.187 ± 0.010
D	0.093 ± 0.010
E	0.050 ± 0.015
F	1.0 +.125/-0



94 & 94S SERIES





DATA TABLE

VE P/N	Side-Lead Part Number	Inductance Nom (uH)	Q Min	Test Freq (KHz)	SRF Min (MHz)	DCR Max (Ohms)	DC Current Max (mA)
94310	94310S	100	75	790	8.4	6	280
94312	94312S	120	75	790	7.5	7	260
94315	94315S	150	75	790	6.7	8	240
94318	94318S	180	75	790	6.0	10	220
94322	94322S	220	80	790	5.3	12	200
94327	94327S	270	80	790	4.7	14	180
94333	94333S	330	80	790	4.2	17	160
94339	94339S	390	80	790	3.8	20	150
94347	94347S	470	75	790	3.4	24	140
94356	94356S	560	75	790	3.1	28	130
94368	94368S	680	75	790	2.8	33	120
94382	94382S	820	75	790	2.5	39	110
94410	94410S	1000	75	790	2.2	45	100
94412	94412S	1200	45	250	1.9	31	120
94415	94415S	1500	45	250	1.6	37	110
94418	94418S	1800	50	250	1.4	44	100
94422	94422S	2200	50	250	1.3	52	90
94427	94427S	2700	50	250	1.2	61	85
94433	94433S	3300	50	250	1.1	71	80
94439	94439S	3900	50	250	1.0	82	75
94447	94447S	4700	50	250	0.9	93	70
94456	94456S	5600	45	250	0.8	105	65
94468	94468S	6800	40	250	0.7	140	60
94482	94482S	8200	40	250	0.6	160	55
94510	94510S	10000	40	250	0.6	180	50

Inductance measured at 10 kHz, 0.1 V_{RMS}

CUSTOM DESIGNS & MODIFICATIONS:

Other electrical configurations and performance characteristics are available in various sizes and package types

94 & 94S SERIES

