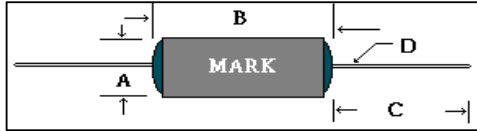


Power Shielded Inductors AMS5



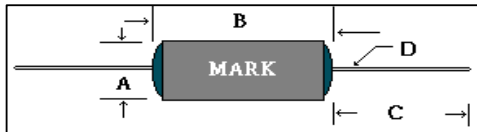
A: 0.150" max
 B: 0.450" max
 C: 1.15" nominal
 D: 22AWG/TCW

Characteristics

Operating temperature	-55°C to +125°C
Inductance tolerance	+/- 10%
Testing (Equivalent acceptable)	L & Q tested with HP 4342A IDC : CH-301 current source & DCR meter RDC : CH-301 current source & DCR meter SRF : HP-4191A .HP-4291B
Current Rating	Based on 0.33 watt power dissipation for approximately 20°C temperature rise
Marking	Inductance code
Packaging	Bulk only

PART NUMBER	L (uH)	TEST FREQ	Q Min	SRF (MHz) Min	DCR (Ohms) Max	RATED I (mA)
AMS5-1R0K	1.0	7.9MHz	55	200	0.05	2200
AMS5-2R5K	2.5	7.9MHz	45	115	0.08	1700
AMS5-5R0K	5.0	7.9MHz	35	90	0.12	1400
AMS5-100K	10	2.5MHz	65	55	0.42	770
AMS5-250K	25	2.5MHz	55	35	0.8	560
AMS5-500K	50	2.5MHz	60	27	1.5	400
AMS5-101K	100	2.5MHz	70	20	3.1	280

Power Shielded Inductors AMS6



A: 0.270" max
 B: 0.530" max
 C: 1.15" nominal
 E: 22AWG/TCW

Characteristics

Operating temperature	-55°C to +125°C
Inductance tolerance	+/- 20%, +/- 10%,
Testing (Equivalent acceptable)	L measured 1KHz with CH-100 LCR Meter IDC : CH-301 current source & DCR meter RDC : CH-301 current source & DCR meter
Incremental Current	The current which will cause reduction of 5% in Inductance
Current Rating	Based on 0.33 watt power dissipation for approximately 20°C temperature rise
Marking	Inductance code
Packaging	Bulk only

PART NUMBER	L (uH)	TEST FREQ	DCR (Ohms) Max	RATED I (mA)	INCR (mA)
AMS6-251	250	1kHz	0.17	1330	60
AMS6-501	500	1kHz	0.39	880	44
AMS6-102	1000	1kHz	0.80	610	30

