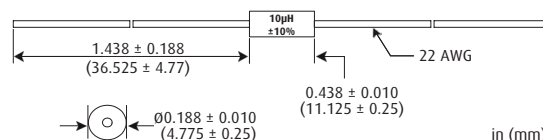


18M SERIES



Molded Unshielded RF Coils



PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
18M150M	0.15	55	25	510	0.030	3000
18M220M	0.22	50	25	415	0.035	2800
18M330M	0.33	50	25	350	0.065	2000
18M470M	0.47	50	25	300	0.085	1700
18M560K	0.56	50	25	270	0.125	1450
18M680K	0.68	45	25	250	0.150	1300
18M820K	0.82	40	25	210	0.205	1100
18M101K	1.00	40	25	200	0.290	930
18M121K	1.20	30	7.9	180	0.400	785
18M151K	1.50	30	7.9	170	0.480	700
18M181K	1.80	30	7.9	150	0.740	580
18M221K	2.20	30	7.9	140	0.970	505
18M271K	2.70	30	7.9	120	1.20	460
POWDERED IRON CORE						
18M331K	3.30	30	7.9	70	0.140	990
18M391K	3.90	30	7.9	65	0.155	870
18M471K	4.70	30	7.9	60	0.210	745
18M561K	5.60	30	7.9	50	0.280	645
18M681K	6.80	30	7.9	50	0.375	560
18M821K	8.20	30	7.9	48	0.440	540
18M102K	10	30	7.9	42	0.605	440
18M122K	12	50	2.5	36	1.05	370
18M152K	15	55	2.5	30	1.20	310
18M182K	18	60	2.5	30	1.95	255
18M222K	22	60	2.5	24	2.20	240
18M272K	27	65	2.5	22	2.75	205

NOTES

- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron
- **Current Rating** at a 90°C Ambient:
35°C Rise for Phenolic
15°C Rise for Powdered Iron
- **DWV** 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- **Weight MAX:** 0.95 grams
- **Marking:** Inductance with units and tolerance (see diagram above)
- **Body Color:** black
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

GEC Series **18M 150 M LF**

Inductance: 2 signif. digits & mult.
ex: 150 = 0.15µH, 151 = 1.50µH, 152 = 15µH

Tolerance: M = 20%, K = 10%, J = 5%
(Table shows lowest standard tolerance option)
*Optional tolerances are available; contact factory

Termination: LF = RoHS, No Suffix = SnPb (Standard)

TAPE AND REEL SPECS:

Pieces/reel maximum: 2000
Pitch between parts: 0.200 in.
Tape width: 2.062 in.
Reel diameter: 12 in.
Class: 1