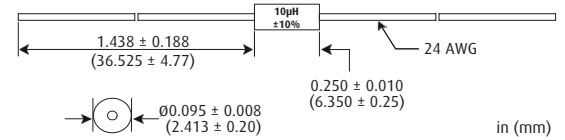


10M SERIES  
Molded Unshielded RF Coils



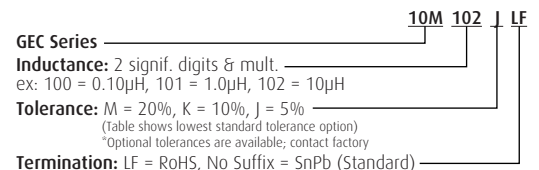
PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
10M100K	0.10	40	25	680	0.080	1350
10M110J	0.11	40	25	660	0.085	1309
10M120K	0.12	40	25	640	0.090	1270
10M130J	0.13	38	25	625	0.095	1239
10M150K	0.15	38	25	600	0.100	1200
10M160J	0.16	35	25	580	0.110	1151
10M180K	0.18	35	25	550	0.120	1105
10M200J	0.20	33	25	530	0.130	1059
10M220K	0.22	33	25	510	0.140	1025
10M240J	0.24	33	25	475	0.150	986
10M270K	0.27	33	25	430	0.160	960
10M300J	0.30	30	25	420	0.190	876
10M330K	0.33	30	25	410	0.220	815
10M360J	0.36	30	25	385	0.260	749
10M390K	0.39	30	25	365	0.300	700
10M430J	0.43	30	25	345	0.325	670
10M470K	0.47	30	25	330	0.350	650
10M510J	0.51	30	25	310	0.420	589
10M560K	0.56	30	25	300	0.500	545
10M620J	0.63	28	25	290	0.550	515
10M680K	0.68	28	25	275	0.600	495
10M750J	0.75	28	25	265	0.710	453
10M820K	0.82	28	25	250	0.850	415
10M910J	0.91	25	25	240	0.925	397
10M101K	1.00	25	25	230	1.00	385
POWDERED IRON CORE						
10M111J	1.10	25	7.9	165	0.170	607
10M121K	1.20	25	7.9	150	0.180	590
10M131J	1.30	28	7.9	145	0.200	560
10M151K	1.50	28	7.9	140	0.220	535
10M161J	1.60	30	7.9	135	0.250	501
10M181K	1.80	30	7.9	125	0.300	455
10M201J	2.00	30	7.9	120	0.350	425
10M221K	2.20	30	7.9	115	0.400	395
10M241J	2.40	37	7.9	109	0.460	380
10M271K	2.70	37	7.9	100	0.550	355
10M301J	3.00	45	7.9	95	0.700	299
10M331K	3.30	45	7.9	90	0.850	270
10M361J	3.60	45	7.9	85	0.925	260
10M391K	3.90	45	7.9	80	1.00	250
10M431J	4.30	45	7.9	77	1.10	240
10M471K	4.70	45	7.9	75	1.20	230
10M511J	5.10	50	7.9	69	1.47	216
10M561K	5.60	50	7.9	65	1.80	185
10M621J	6.20	50	7.9	62	1.90	180
10M681K	6.80	50	7.9	60	2.00	180
10M751J	7.50	50	7.9	57	2.35	165
10M821K	8.20	55	7.9	55	2.70	155
10M911J	9.10	55	7.9	52	3.00	145
10M102K	10	55	7.9	50	3.70	130
10M112J	11	45	2.5	45	2.60	156
10M122K	12	45	2.5	40	2.70	155
10M132J	13	45	2.5	38	2.80	150
10M152K	15	45	2.5	35	2.80	150
10M162J	16	45	2.5	33	2.90	147
10M182K	18	50	2.5	30	3.10	145
10M202J	20	50	2.5	27.5	3.20	142
10M222K	22	50	2.5	25	3.30	140
10M242J	24	50	2.5	23	3.40	137
10M272K	27	50	2.5	20	3.50	135
FERRITE CORE						
10M302J	30	45	2.5	22	3.30	132
10M332K	33	45	2.5	24	3.40	130
10M362J	36	45	2.5	23	3.50	127
10M392K	39	45	2.5	22	3.60	125
10M432J	43	45	2.5	21	4.10	116
10M472K	47	45	2.5	20	4.50	110

PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
FERRITE CORE (continued)						
10M512J	51	45	2.5	19	5.0	105
10M562K	56	45	2.5	18	5.7	100
10M622J	62	50	2.5	16.5	6.2	94
10M682K	68	50	2.5	15	6.7	92
10M752J	75	50	2.5	14.5	7.0	89
10M822K	82	50	2.5	14	7.3	88
10M912J	91	50	2.5	13.5	7.7	85
10M103K	100	50	2.5	13	8.0	84
10M113J	110	30	0.79	12.5	11	71
10M123K	120	30	0.79	12	13	66
10M133J	130	30	0.79	11.5	14	63
10M153K	150	30	0.79	11	15	61
10M162J	160	30	0.79	10.5	16	59
10M183K	180	30	0.79	10	17	57
10M203J	200	30	0.79	9.5	19	54
10M223K	220	30	0.79	9.0	21	52
10M243J	240	30	0.79	8.5	23	49
10M273K	270	30	0.79	8.0	25	47
10M303J	300	30	0.79	7.5	27	46
10M333K	330	30	0.79	7.0	28	45
10M363J	360	30	0.79	6.75	32	41
10M393K	390	30	0.79	6.5	35	40
10M433J	430	30	0.79	6.25	39	37
10M473K	470	30	0.79	6.0	42	36
10M513J	510	30	0.79	5.5	44	35
10M563K	560	30	0.79	5.0	46	35
10M623J	620	30	0.79	4.6	53	32
10M683K	680	30	0.79	4.0	60	30
10M753J	750	30	0.79	4.0	63	29
10M823K	820	30	0.79	3.8	65	29
10M913J	910	30	0.79	3.6	69	28
10M104K	1000	30	0.79	3.4	72	28

NOTES

- Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron & Ferrite
- Current Rating** at a 90°C Ambient:
35°C Rise for Phenolic
15°C Rise for Powdered Iron & Ferrite
- DWV** 1000 Vrms @ Sea Level
300 Vrms @ 70,000 Feet for Phenolic & Powdered Iron
200 Vrms @ 70,000 Feet for Ferrite
- Weight MAX:** 0.30 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



TAPE AND REEL SPECS

Pieces/reel maximum:	3500
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1