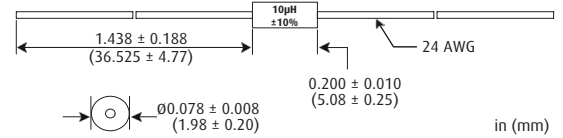


**8M SERIES**



Molded Unshielded RF Coil

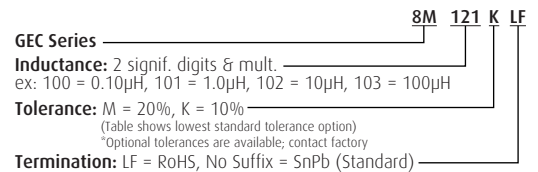


PART NUMBER	L µH	Q MIN	L&Q TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
<b>PHENOLIC CORE</b>						
8M100K	0.10	35	25	680	0.13	895
8M120K	0.12	35	25	650	0.15	835
8M150K	0.15	35	25	560	0.18	760
8M180K	0.18	35	25	540	0.21	705
8M220K	0.22	30	25	500	0.25	645
8M270K	0.27	30	25	440	0.38	525
8M330K	0.33	25	25	410	0.49	460
8M390K	0.39	25	25	380	0.59	420
8M470K	0.47	25	25	340	0.62	410
<b>POWDERED IRON CORE</b>						
8M560K	0.56	40	25	250	0.18	510
8M680K	0.68	40	25	215	0.20	485
8M820K	0.82	40	25	200	0.22	465
8M101K	1.0	40	25	190	0.25	435
8M121K	1.2	35	7.9	170	0.28	410
8M151K	1.5	40	7.9	150	0.49	310
8M181K	1.8	40	7.9	135	0.56	290
8M221K	2.2	45	7.9	130	0.72	257
8M271K	2.7	45	7.9	110	0.85	236
8M331K	3.3	45	7.9	100	1.2	198
8M391K	3.9	50	7.9	95	1.5	178
8M471K	4.7	55	7.9	88	2.1	150
8M561K	5.6	55	7.9	78	2.8	130
8M681K	6.8	55	7.9	69	3.2	122
8M821K	8.2	45	7.9	52	4.4	104
8M102K	10	45	7.9	47	5.2	95
8M122K	12	40	2.5	31	3.0	126
8M152K	15	40	2.5	26	3.4	118
8M182K	18	40	2.5	23	3.8	112
8M222K	22	45	2.5	20	4.3	105
8M272K	27	45	2.5	17	4.7	100
8M332K	33	45	2.5	15	5.2	95
8M392K	39	45	2.5	13.5	6.8	83.5
8M472K	47	45	2.5	12.5	8.2	76
8M562K	56	45	2.5	11.5	10	69
8M682K	68	45	2.5	10.5	11.5	64
8M822K	82	45	2.5	10	16	54.5
8M103K	100	45	2.5	9.5	17.5	52
<b>FERRITE CORE</b>						
8M123K	120	35	0.79	8.9	16	54.5
8M153K	150	35	0.79	7.9	18	51
8M183K	180	35	0.79	7.5	20	49
8M223K	220	35	0.79	7.1	26.5	42.5
8M273K	270	35	0.79	6.6	30.5	39

**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  
200 Vrms @ 70,000 Feet
- **Weight MAX:** 0.25 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:	5000
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1