



21M



21MLF*



Wirewound, Molded

PART NUMBER	COTS MIL SPEC DESIGNATION	L μ H	Q MIN	TEST FREQ L&Q MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC
MS90542 - PHENOLIC CORE							
21M470K	MS90542-01	0.47	65	25.0	300	0.06	1970
21M560K	MS90542-02	0.56	65	25.0	270	0.08	1850
21M680K	MS90542-03	0.68	65	25.0	240	0.08	1700
21M820K	MS90542-04	0.82	65	25.0	220	0.11	1520
21M101K	MS90542-05	1.0	65	25.0	200	0.14	1290
21M121K	MS90542-06	1.2	40	7.9	180	0.19	1120
21M151K	MS90542-07	1.5	40	7.9	160	0.28	925
21M181K	MS90542-08	1.8	40	7.9	150	0.37	790
21M221K	MS90542-09	2.2	40	7.9	135	0.50	680
21M271K	MS90542-10	2.7	40	7.9	120	0.65	600
21M331K	MS90542-11	3.3	40	7.9	105	1.00	480
21M391K	MS90542-12	3.9	40	7.9	100	1.20	440
21M471K	MS90542-13	4.7	40	7.9	90	1.80	360
MS14052 - POWDERED IRON CORE							
21M561K	MS14052-01	5.6	35	7.9	55	0.13	885
21M681K	MS14052-02	6.8	35	7.9	50	0.20	710
21M821K	MS14052-03	8.2	35	7.9	44	0.22	680
21M102K	MS14052-04	10.0	35	7.9	42	0.26	625
21M122K	MS14052-05	12.0	45	2.5	34	0.45	465
21M152K	MS14052-06	15.0	45	2.5	32	0.52	442
21M182K	MS14052-07	18.0	50	2.5	28	0.70	380
21M222K	MS14052-08	22.0	60	2.5	24	1.00	326
21M272K	MS14052-09	27.0	60	2.5	22	1.30	275
21M332K	MS14052-10	33.0	60	2.5	20	1.50	258
21M392K	MS14052-11	39.0	70	2.5	18	2.00	224

Suffix "K" for 10% tolerance

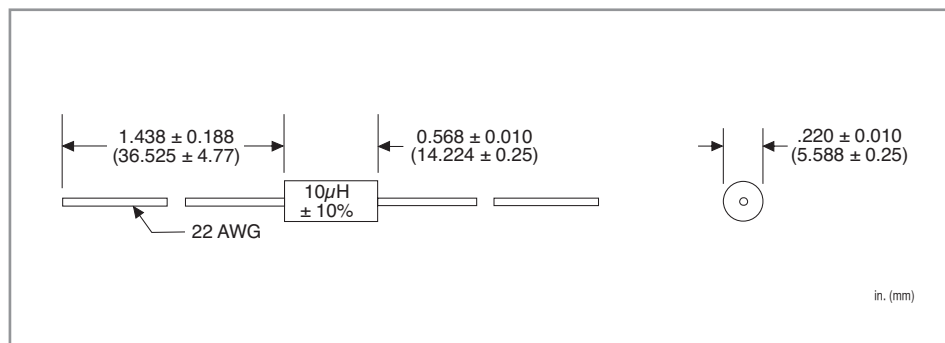
Optional tolerances available; please contact factory

Custom designs are available to meet your specific requirements; please contact factory

***Add "LF" suffix for RoHS requirement. Example: 21M470KLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.



NOTES:

- Operating Temperature Range:
-55°C to +125°C for MS90542 (Phenolic)
-55°C to +105°C for MS14052 (Powdered Iron)
- Current Rating at a 90°C ambient:
15°C temperature rise for MS14052 (Powdered Iron)
35°C temperature rise for MS90542 (Phenolic)
- DWV 1000 Vrms @ Sea Level
200 Vrms @ 70,000 Feet
- Laser Marking is standard

TAPE AND REEL SPECS:

Pcs./Reel maximum:	1000
Pitch between parts:	0.400 in.
Inside tape spacing:	2.500 in.
Reel diameter:	12 in.
Class:	2