

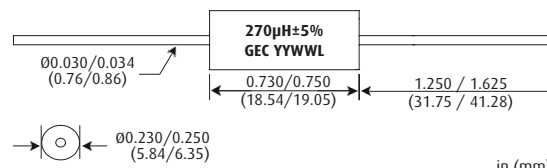
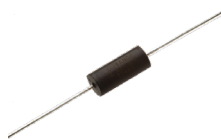
MLRF24M SERIES



MIL-PRF-15305 Qualified Molded Unshielded RF Coil

Military Specifications:

MS90541



PART NUMBER	MIL DASH NO.	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
MS90541 POWDERED IRON CORE							
MLRF24M 01		3900	80	0.25	1.45	44	61
MLRF24M 02		4300	80	0.25	1.40	46	59
MLRF24M 03		4700	80	0.25	1.35	48	58
MLRF24M 04		5000	80	0.25	1.30	50	57
MLRF24M 05		5600	80	0.25	1.25	53	56
MLRF24M 06		6200	80	0.25	1.20	56	54
MLRF24M 07		6800	80	0.25	1.15	59	52
MLRF24M 08		7500	80	0.25	1.10	62	51
MLRF24M 09		8200	80	0.25	1.05	65	50
MLRF24M 10		9100	80	0.25	1.00	68	49
MLRF24M 11		10000	80	0.25	0.95	72	47

NOTES

- **Operating Temperature Range:** -55°C to +105°C
- **Temperature Class:** Class A: 105°C
- **Current Rating** is based on a 15°C maximum temperature rise at an ambient temperature of 90°C
- **DWV** 700 Vrms @ Sea Level
180 Vrms @ Sea Level
- **Weight Max:** 2.50 grams
- **Marking:** Inductance with units and tolerance; YYWWL (see diagram above)
- **Body Color:** Black
- SRF values are calculated and for reference only
- Materials are fungus-inert to meet method 508 of MIL-STD-810H

PART NUMBER DERIVATION



EXAMPLE OF ORDERING BY MILITARY PART NUMBER:
MLRF24M394J → MS90541-01

TAPE AND REEL SPECS:

Pieces/reel maximum:	1000
Pitch between parts:	0.400 in.
Tape width:	2.500 in.
Reel diameter:	12 in.
Class:	2