

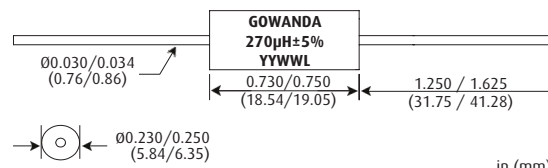
MLRF24M SERIES



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	01	3900	80	0.25	1.45	44	61
MLRF24M 02	02	4300	80	0.25	1.40	46	59
MLRF24M 03	03	4700	80	0.25	1.35	48	58
MLRF24M 04	04	5000	80	0.25	1.30	50	57
MLRF24M 05	05	5600	80	0.25	1.25	53	56
MLRF24M 06	06	6200	80	0.25	1.20	56	54
MLRF24M 07	07	6800	80	0.25	1.15	59	52
MLRF24M 08	08	7500	80	0.25	1.10	62	51
MLRF24M 09	09	8200	80	0.25	1.05	65	50
MLRF24M 10	10	9100	80	0.25	1.00	68	49
MLRF24M 11	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



Termination: SnPb (standard)

EXAMPLE OF ORDERING BY MILITARY PART NUMBER:
MLRF24M394J $\rightarrow$ 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