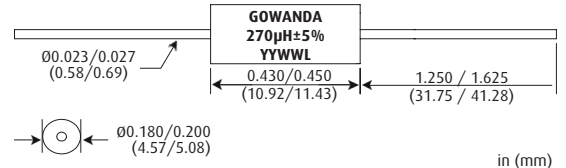


MLRF19M SERIES



MIL-PRF-15305 Qualified Molded Unshielded RF Coil

Military Specifications:
MS90539

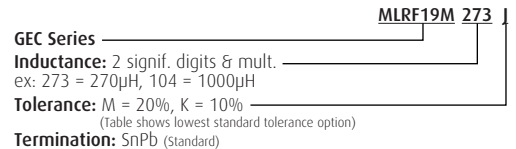


PART NUMBER	MIL DASH NO.	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
MS90539 POWDERED IRON CORE							
MLRF19M273J	01	270	65	0.79	5.60	8.2	110
MLRF19M303J	02	300	65	0.79	5.30	8.7	107
MLRF19M333J	03	330	65	0.79	5.00	9.1	105
MLRF19M363J	04	360	65	0.79	4.70	9.6	102
MLRF19M393J	05	390	65	0.79	4.50	10.0	100
MLRF19M433J	06	430	65	0.79	4.30	10.6	97
MLRF19M473J	07	470	65	0.79	4.00	11.1	95
MLRF19M513J	08	510	65	0.79	3.80	11.6	93
MLRF19M563J	09	560	65	0.79	3.60	12.3	91
MLRF19M623J	10	620	60	0.79	3.50	13.0	88
MLRF19M683J	11	680	60	0.79	3.40	13.7	85
MLRF19M753J	12	750	60	0.79	3.30	14.4	83
MLRF19M823J	13	820	60	0.79	3.10	15.1	81
MLRF19M913J	14	910	60	0.79	2.90	15.8	79
MLRF19M104J	15	1000	60	0.79	2.24	16.5	78

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:** 0.95 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:
MLRF19M273J → MS90539-01

TAPE AND REEL SPECS:

Pieces/reel maximum:	2000
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.
Class:	1