



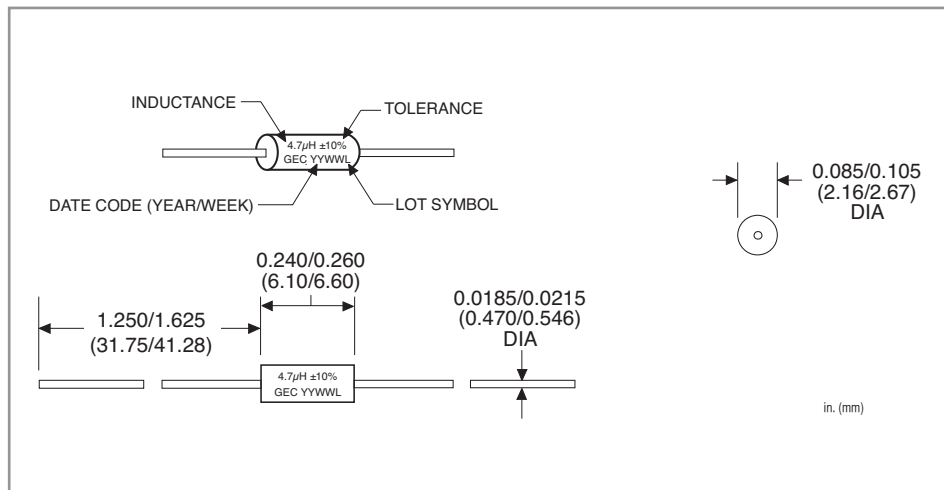
MLRF10M Wirewound, Molded, MIL-PRF-15305

MS75083 Phenolic Core, MS75084 Powdered Iron Core, MS75085 Ferrite Core

PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC
MS75083 PHENOLIC CORE							
MLRF10M100K	MS75083-1	0.10	40	25	680	0.08	1350
MLRF10M120K	MS75083-2	0.12	40	25	640	0.09	1270
MLRF10M150K	MS75083-3	0.15	38	25	600	0.10	1200
MLRF10M180K	MS75083-4	0.18	35	25	550	0.12	1105
MLRF10M220K	MS75083-5	0.22	33	25	510	0.14	1025
MLRF10M270K	MS75083-6	0.27	33	25	430	0.16	960
MLRF10M330K	MS75083-7	0.33	30	25	410	0.22	815
MLRF10M390K	MS75083-8	0.39	30	25	365	0.30	700
MLRF10M470K	MS75083-9	0.47	30	25	330	0.35	650
MLRF10M560K	MS75083-10	0.56	30	25	300	0.50	545
MLRF10M680K	MS75083-11	0.68	28	25	275	0.60	495
MLRF10M820K	MS75083-12	0.82	28	25	250	0.85	415
MLRF10M101K	MS75083-13	1.0	25	25	230	1.00	385
MS75084 POWDERED IRON CORE							
MLRF10M121K	MS75084-1	1.2	25	7.9	150	0.18	590
MLRF10M151K	MS75084-2	1.5	28	7.9	140	0.22	535
MLRF10M181K	MS75084-3	1.8	30	7.9	125	0.30	455
MLRF10M221K	MS75084-4	2.2	30	7.9	115	0.40	395
MLRF10M271K	MS75084-5	2.7	37	7.9	100	0.55	335
MLRF10M331K	MS75084-6	3.3	45	7.9	90	0.85	270
MLRF10M391K	MS75084-7	3.9	45	7.9	80	1.0	250
MLRF10M471K	MS75084-8	4.7	45	7.9	75	1.2	230
MLRF10M561K	MS75084-9	5.6	50	7.9	65	1.8	185
MLRF10M681K	MS75084-10	6.8	50	7.9	60	2.0	175
MLRF10M821K	MS75084-11	8.2	55	7.9	55	2.7	155
MLRF10M102K	MS75084-12	10	55	7.9	50	3.7	130
MLRF10M122K	MS75084-13	12	45	2.5	40	2.7	155
MLRF10M152K	MS75084-14	15	40	2.5	35	2.8	150
MLRF10M182K	MS75084-15	18	50	2.5	30	3.1	145
MLRF10M222K	MS75084-16	22	50	2.5	25	3.3	140
MLRF10M272K	MS75084-17	27	50	2.5	20	3.5	135

Suffix "K" for 10% tolerance

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NOTES:

- Operating Temperature Range:
 - 55°C to +125°C for MS75083 (Phenolic)
 - 55°C to +105°C for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Temperature Class:
 - Class B (125°C) for MS75083 (Phenolic)
 - Class A (105°C) for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Current Rating is @ a 90°C Ambient:
 - 35°C Rise for MS75083 (Phenolic)
 - 15°C Rise for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Weight maximum 0.301 grams (0.0106 ounces)
- DWV 1000 Vrms @ Sea Level
300 Vrms @ 70,000 Feet for MS75083 & MS75084 (Phenolic & Powdered Iron)
200 Vrms @ 70,000 Feet for MS75085 (Ferrite)
- Body color is black

TAPE AND REEL SPECS: (see page two)

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MLRF10M



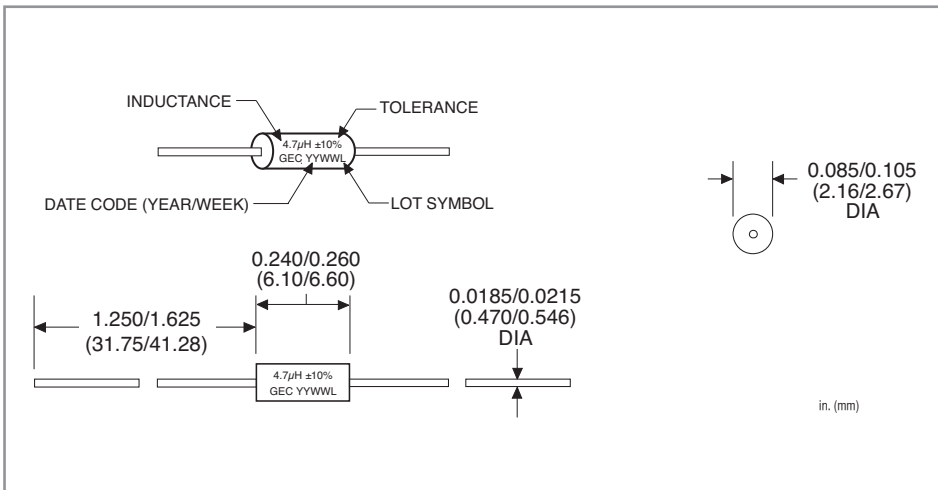
Wirewound, Molded, MIL-PRF-15305

MS75083 Phenolic Core, MS75084 Powdered Iron Core, MS75085 Ferrite Core



PART NUMBER	MIL PART NUMBER	L μ H	Q MIN	TEST FREQ	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC
				MHz			
MS750845 FERRITE CORE							
MLRF10M332K	MS75085-1	33	45	2.5	24	3.4	130
MLRF10M392K	MS75085-2	39	45	2.5	22	3.6	125
MLRF10M472K	MS75085-3	47	45	2.5	20	4.5	110
MLRF10M562K	MS75085-4	56	45	2.5	18	5.7	100
MLRF10M682K	MS75085-5	68	50	2.5	15	6.7	92
MLRF10M822K	MS75085-6	82	50	2.5	14	7.3	88
MLRF10M103K	MS75085-7	100	50	2.5	13	8.0	84
MLRF10M123K	MS75085-8	120	30	0.79	12	13	66
MLRF10M153K	MS75085-9	150	30	0.79	11	15	61
MLRF10M183K	MS75085-10	180	30	0.79	10	17	57
MLRF10M223K	MS75085-11	220	30	0.79	9.0	21	52
MLRF10M273K	MS75085-12	270	30	0.79	8.0	25	47
MLRF10M333K	MS75085-13	330	30	0.79	7.0	28	45
MLRF10M393K	MS75085-14	390	30	0.79	6.5	35	40
MLRF10M473K	MS75085-15	470	30	0.79	6.0	42	36
MLRF10M563K	MS75085-16	560	30	0.79	5.0	46	35
MLRF10M683K	MS75085-17	680	30	0.79	4.0	60	30
MLRF10M823K	MS75085-18	820	30	0.79	3.8	65	29
MLRF10M104K	MS75085-19	1000	30	0.79	3.4	72	28

Suffix "K" for 10% tolerance



NOTES:

- Operating Temperature Range:
-55°C to +125°C for MS78083 (Phenolic)
-55°C to +105°C for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Temperature Class:
Class B (125°C) for MS75083 (Phenolic)
Class A (105°C) for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Current Rating is @ a 90°C Ambient:
35°C Rise for MS75083 (Phenolic)
15°C Rise for MS75084 & MS75085 (Powdered Iron & Ferrite)
- Weight maximum 0.301 grams (0.0106 ounces)
- DWV 1000 Vrms @ Sea Level
300 Vrms @ 70,000 Feet for MS75083 & MS75084 (Phenolic & Powdered Iron)
200 Vrms @ 70,000 Feet for MS75085 (Ferrite)
- Body color is black

TAPE AND REEL SPECS:

Pcs./Reel maximum:	3500
Pitch between parts:	0.200 in.
Tape width:	2.062 in.
Reel diameter:	12 in.