MLRF3013

TRADITIONAL Pb

Wirewound, Molded, MIL-PRF-83446

M83446/31 Phenolic Core /32 Iron Core /33 Ferrite Core

PART NUMBER	MIL DASH NUMBER	L µH	Q MIN	TEST FREQ MHz	SRF MIN MHz	DCR OHMS MAX	CURRENT RATING mA DC
			M83446/31 PHENOLIC CORE				
MLRF3013-100K	01F	0.10	40	25	680	0.08	1380
MLRF3013-120K	02F	0.12	40	25	640	0.09	1300
MLRF3013-150K	03F	0.15	38	25	600	0.10	1230
MLRF3013-180K	04F	0.18	35	25	550	0.12	1120
MLRF3013-220K	05F	0.22	33	25	510	0.14	1040
MLRF3013-270K	06F	0.27	33	25	430	0.16	975
MLRF3013-330K	07F	0.33	30	25	410	0.22	830
MLRF3013-390K	08F	0.39	30	25	365	0.30	710
MLRF3013-470K	09F	0.47	30	25	330	0.35	660
MLRF3013-560K	10F	0.56	30	25	300	0.50	550
MLRF3013-680K	11F	0.68	28	25	275	0.60	500
MLRF3013-820K	12F	0.82	28	25	250	0.85	420
MLRF3013-101K	13F	1.00	25	25	230	1.00	390
			M83446/32 POWDERED IRON CORE				
MLRF3013-121K	01F	1.20	25	7.9	150	0.18	620
MLRF3013-151K	02F	1.50	28	7.9	140	0.22	560
MLRF3013-181K	03F	1.80	30	7.9	125	0.30	480
MLRF3013-221K	04F	2.20	30	7.9	115	0.40	415
MLRF3013-271K	05F	2.70	37	7.9	100	0.55	355
MLRF3013-331K	06F	3.30	45	7.9	90	0.85	285
MLRF3013-391K	07F	3.90	45	7.9	80	1.00	263
MLRF3013-471K	08F	4.70	45	7.9	75	1.20	239
MLRF3013-561K	09F	5.60	50	7.9	65	1.80	195
MLRF3013-681K	10F	6.80	50	7.9	60	2.00	185
MLRF3013-821K	11F	8.20	55	7.9	55	2.70	160
MLRF3013-102K	12F	10	55	7.9	50	3.30	144
MLRF3013-122K	13F	12	45	2.5	40	2.70	160
MLRF3013-152K	14F	15	45	2.5	35	2.80	157
MLRF3013-182K	15F	18	45	2.5	30	3.10	149
MLRF3013-222K	16F	22	45	2.5	25	3.30	144
MLRF3013-272K	17F	27	45	2.5	20	3.50	140

All part numbers provide 10% tolerance on inductance

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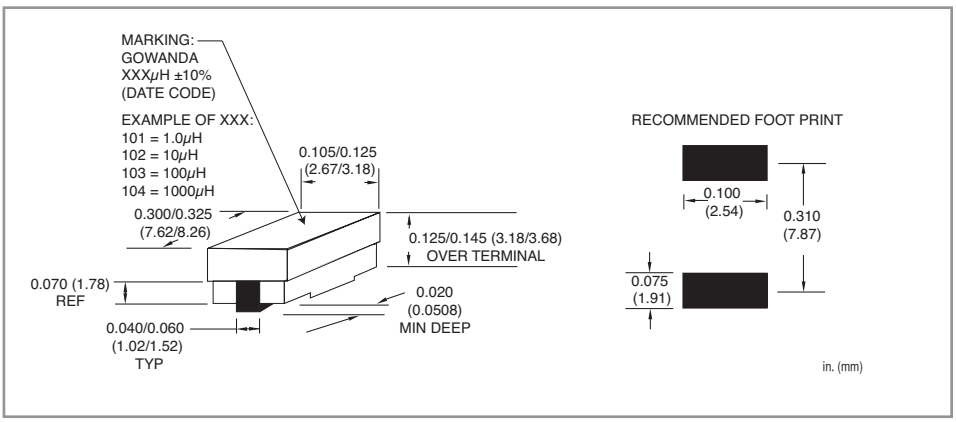

NOTES:

- Operating Temperature Range:
  -55°C to +125°C for /31 (Phenolic)
  -55°C to +105°C for /32 & /33 (Powdered Iron & Ferrite)
- Current Rating @90°C Ambient
  35°C Rise for /31 (Phenolic)
  15°C Rise for /32 & /33 (Powdered Iron & Ferrite)
- DWV 500 Vrms @ Sea Level
  200 Vrms @ 70,000 Feet
- Maximum Power Dissipation at 90°C Ambient:
  210 mW /31 (Phenolic)
  90 mW /32 (Powdered Iron)
  73 mW /33 (Ferrite)
- Weight maximum 0.30 grams (0.010582 ounces)
- Tin-Lead solder termination is code "F" finish of MIL-PRF-83446

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	13 in.

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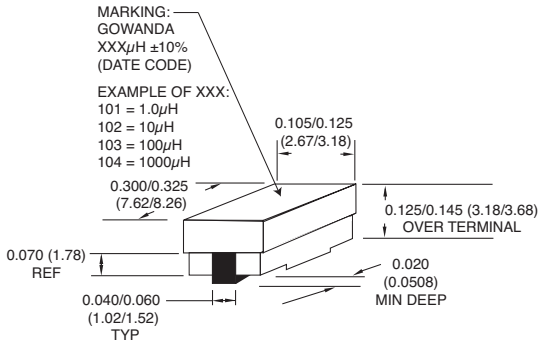
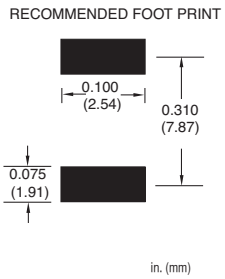
			M83446/33 FERRITE CORE				
MLRF3013-332K	01F	33	35	2.5	24	3.40	130
MLRF3013-392K	02F	39	35	2.5	22	3.60	125
MLRF3013-472K	03F	47	35	2.5	20	4.50	110
MLRF3013-562K	04F	56	35	2.5	18	5.70	100
MLRF3013-682K	05F	68	35	2.5	15	6.70	92
MLRF3013-822K	06F	82	35	2.5	14	7.30	88
MLRF3013-103K	07F	100	35	2.5	13	8.00	84
MLRF3013-123K	08F	120	30	0.79	12	13	66
MLRF3013-153K	09F	150	30	0.79	11	15	61
MLRF3013-183K	10F	180	30	0.79	10	17	57
MLRF3013-223K	11F	220	30	0.79	9.0	21	52
MLRF3013-273K	12F	270	30	0.79	8.0	25	47
MLRF3013-333K	13F	330	30	0.79	7.0	28	45
MLRF3013-393K	14F	390	30	0.79	6.5	35	40
MLRF3013-473K	15F	470	30	0.79	6.0	42	36
MLRF3013-563K	16F	560	30	0.79	5.0	46	35
MLRF3013-683K	17F	680	30	0.79	4.2	60	30
MLRF3013-823K	18F	820	30	0.79	3.8	65	29
MLRF3013-104K	19F	1000	30	0.79	3.4	72	28

All part numbers provide 10% tolerance on inductance





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