

MLP5025



Wirewound, Molded, Level T Qualified, MIL-PRF-27

M27/367 Ferrite Core

Outgassing Tested per ASTM E-595 (*)



PART NUMBER	MIL DASH NUMBER	L μ H @ I kHz *	DCR OHMS MAX	CURRENT RATING A DC	INC I A DC
FERRITE CORE					
MLP5025-220LT	01T	0.22	0.0080	7.00	7.00
MLP5025-270LT	02T	0.27	0.0085	6.75	6.75
MLP5025-330LT	03T	0.33	0.0090	6.50	6.50
MLP5025-390LT	04T	0.39	0.0095	6.25	6.25
MLP5025-470LT	05T	0.47	0.0100	6.00	6.00
MLP5025-560LT	06T	0.56	0.0105	5.80	5.80
MLP5025-680LT	07T	0.68	0.0110	5.70	5.70
MLP5025-820LT	08T	0.82	0.0120	5.60	5.60
MLP5025-101LT	09T	1.00	0.0130	5.50	5.50
MLP5025-121LT	10T	1.20	0.0180	4.69	4.69
MLP5025-151LT	11T	1.50	0.0200	4.45	4.45
MLP5025-181LT	12T	1.80	0.0210	4.34	4.34
MLP5025-221LT	13T	2.20	0.0290	3.70	3.70
MLP5025-271LT	14T	2.70	0.0340	3.41	3.41
MLP5025-331LT	15T	3.30	0.0380	3.23	3.23
MLP5025-391LT	16T	3.90	0.0420	3.07	3.07
MLP5025-471LT	17T	4.70	0.0470	2.90	2.90
MLP5025-561LT	18T	5.60	0.0510	2.79	2.79
MLP5025-681LT	19T	6.80	0.0580	2.61	2.61
MLP5025-821LT	20T	8.20	0.0630	2.51	2.51
MLP5025-102LT	21T	10	0.0710	2.36	2.36
MLP5025-122LT	22T	12	0.0790	2.24	2.24
MLP5025-152LT	23T	15	0.0890	2.11	2.11
MLP5025-182LT	24T	18	0.1190	1.82	1.82
MLP5025-222LT	25T	22	0.1520	1.61	1.61
MLP5025-272LT	26T	27	0.1790	1.48	1.48
MLP5025-332LT	27T	33	0.2220	1.33	1.33
MLP5025-392LT	28T	39	0.3150	1.12	1.12
MLP5025-472LT	29T	47	0.3620	1.04	1.04

All part numbers provide 10% tolerance on inductance

* Measured at 1 V ac open circuit with no dc current at 1 kHz

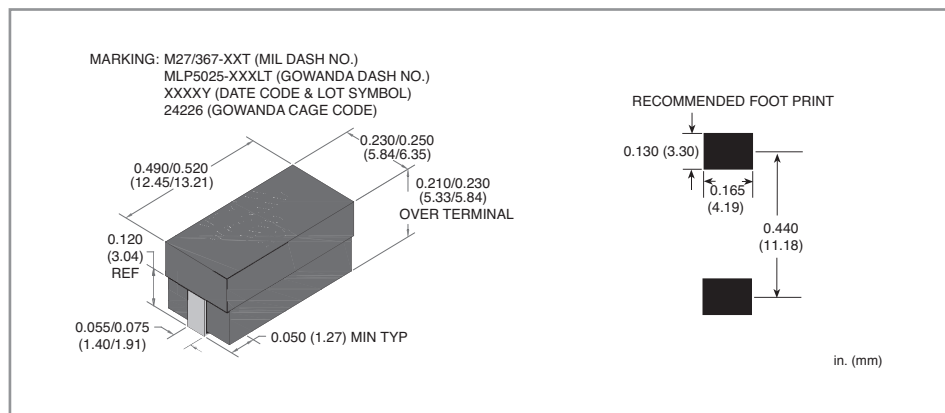
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NOTES:

- Operating Temperature Range:
-55°C to +130°C
- Current Rating is based on a 45°C temperature rise at an ambient temperature of 85°C
- Incremental Current is the approximate value that will cause a 5% maximum decrease in inductance at a zero dc current
- DWV 1000 Vrms @ Sea Level
500 Vrms @ 70,000 Feet
- Grade 5, encapsulated
- Weight maximum 1.5 grams
- Level T Product is 100% Tested In Accordance with MIL-PRF-27 Group A Subgroup 1 which includes Thermal Shock, Burn In, and Radiographic Inspection Tests
- *Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E-595

TAPE AND REEL SPECS:

Pcs./Reel maximum:	800
Pitch between parts:	12 mm
Tape width:	24 mm
Reel diameter:	13 in.



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FERRITE CORE					
MLP5025-822LT	32T	82	0.604	0.810	0.810
MLP5025-103LT	33T	100	0.672	0.760	0.760
MLP5025-123LT	34T	120	0.735	0.730	0.730
MLP5025-153LT	35T	150	0.998	0.630	0.630
MLP5025-183LT	36T	180	1.37	0.530	0.530
MLP5025-223LT	37T	220	1.58	0.500	0.500
MLP5025-273LT	38T	270	1.77	0.470	0.470
MLP5025-333LT	39T	330	2.51	0.390	0.390
MLP5025-393LT	40T	390	2.73	0.380	0.380
MLP5025-473LT	41T	470	3.25	0.350	0.350
MLP5025-563LT	42T	560	3.75	0.330	0.330
MLP5025-683LT	43T	680	4.31	0.300	0.300
MLP5025-823LT	44T	820	6.04	0.260	0.260
MLP5025-104LT	45T	1000	6.90	0.240	0.240
MLP5025-124LT	46T	1200	10.0	0.200	0.200
MLP5025-154LT	47T	1500	12.5	0.178	0.178
MLP5025-184LT	48T	1800	16.0	0.157	0.157
MLP5025-224LT	49T	2200	20.0	0.141	0.141
MLP5025-274LT	50T	2700	23.0	0.131	0.131
MLP5025-334LT	51T	3300	25.0	0.126	0.126
MLP5025-394LT	52T	3900	33.0	0.110	0.110
MLP5025-474LT	53T	4700	37.0	0.103	0.103
MLP5025-564LT	54T	5600	40.0	0.100	0.100
MLP5025-684LT	55T	6800	62.0	0.080	0.080
MLP5025-824LT	56T	8200	66.0	0.077	0.077
MLP5025-105LT	57T	10000	74.0	0.071	0.071
MLP5025-125LT	58T	12000	93.0	0.065	0.065
MLP5025-155LT	59T	15000	105.0	0.061	0.061
MLP5025-185LT	60T	18000	143.0	0.052	0.052
MLP5025-225LT	61T	22000	160.0	0.050	0.050

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