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MLP5025

TRADITIONAL Pb

Wirewound, Molded, MIL-PRF-27

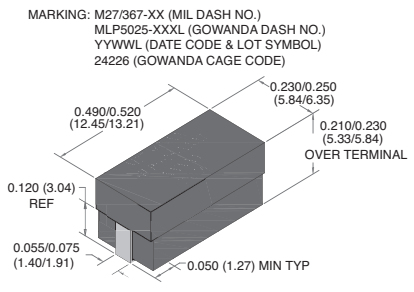
M27/367 Ferrite Core

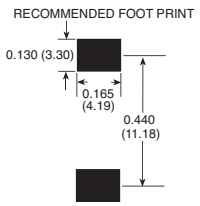
Outgassing Tested per ASTM E-595 (*)

PART NUMBER	MIL DASH NUMBER	L µH @1 kHz *	DCR OHMS MAX	CURRENT RATING A DC	INC I A DC
M27/367 FERRITE CORE					
MLP5025-682L	31	68	0.418	0.970	0.970
MLP5025-822L	32	82	0.604	0.810	0.810
MLP5025-103L	33	100	0.672	0.760	0.760
MLP5025-123L	34	120	0.735	0.730	0.730
MLP5025-153L	35	150	0.998	0.630	0.630
MLP5025-183L	36	180	1.37	0.530	0.530
MLP5025-223L	37	220	1.58	0.500	0.500
MLP5025-273L	38	270	1.77	0.470	0.470
MLP5025-333L	39	330	2.51	0.390	0.390
MLP5025-393L	40	390	2.73	0.380	0.380
MLP5025-473L	41	470	3.25	0.350	0.350
MLP5025-563L	42	560	3.75	0.330	0.330
MLP5025-683L	43	680	4.31	0.300	0.300
MLP5025-823L	44	820	6.04	0.260	0.260
MLP5025-104L	45	1000	6.90	0.240	0.240
MLP5025-124L	46	1200	10.0	0.200	0.200
MLP5025-154L	47	1500	12.5	0.178	0.178
MLP5025-184L	48	1800	16.0	0.157	0.157
MLP5025-224L	49	2200	20.0	0.141	0.141
MLP5025-274L	50	2700	23.0	0.131	0.131
MLP5025-334L	51	3300	25.0	0.126	0.126
MLP5025-394L	52	3900	33.0	0.110	0.110
MLP5025-474L	53	4700	37.0	0.103	0.103
MLP5025-564L	54	5600	40.0	0.100	0.100
MLP5025-684L	55	6800	62.0	0.080	0.080
MLP5025-824L	56	8200	66.0	0.077	0.077
MLP5025-105L	57	10000	74.0	0.071	0.071
MLP5025-125L	58	12000	93.0	0.065	0.065
MLP5025-155L	59	15000	105.0	0.061	0.061
MLP5025-185L	60	18000	143.0	0.052	0.052
MLP5025-225L	61	22000	160.0	0.050	0.050

All part numbers provide 15% tolerance on inductance

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





in. (mm)

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
- * Meets a TML (Total Mass Loss) requirement of 1.0% maximum when tested in accordance with ASTM E-595; this calculation does not include WVR (Water Vapor Recovered)

TAPE AND REEL SPECS:

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

One Magnetics Pkwy, Gowanda, NY 14070 • (t) 716-532-2234 • (f) 716-532-2702 • sales@gowanda.com
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MLP5025

TRADITIONAL Pb

Wirewound, Molded, MIL-PRF-27

M27/367 Ferrite Core

Outgassing Tested per ASTM E-595 (*)

PART NUMBER	MIL DASH NUMBER	L µH @1 kHz *	DCR OHMS MAX	CURRENT RATING A DC	INC I A DC
M27/367 FERRITE CORE					
MLP5025-220L	01	0.22	0.0080	7.00	7.00
MLP5025-270L	02	0.27	0.0085	6.75	6.75
MLP5025-330L	03	0.33	0.0090	6.50	6.50
MLP5025-390L	04	0.39	0.0095	6.25	6.25
MLP5025-470L	05	0.47	0.0100	6.00	6.00
MLP5025-560L	06	0.56	0.0105	5.80	5.80
MLP5025-680L	07	0.68	0.0110	5.70	5.70
MLP5025-820L	08	0.82	0.0120	5.60	5.60
MLP5025-101L	09	1.0	0.0130	5.50	5.50
MLP5025-121L	10	1.2	0.0180	4.69	4.69
MLP5025-151L	11	1.5	0.0200	4.45	4.45
MLP5025-181L	12	1.8	0.0210	4.34	4.34
MLP5025-221L	13	2.2	0.0290	3.70	3.70
MLP5025-271L	14	2.7	0.0340	3.41	3.41
MLP5025-331L	15	3.3	0.0380	3.23	3.23
MLP5025-391L	16	3.9	0.0420	3.07	3.07
MLP5025-471L	17	4.7	0.0470	2.90	2.90
MLP5025-561L	18	5.6	0.0510	2.79	2.79
MLP5025-681L	19	6.8	0.0580	2.61	2.61
MLP5025-821L	20	8.2	0.0630	2.51	2.51
MLP5025-102L	21	10	0.0710	2.36	2.36
MLP5025-122L	22	12	0.0790	2.24	2.24
MLP5025-152L	23	15	0.0890	2.11	2.11
MLP5025-182L	24	18	0.1190	1.82	1.82
MLP5025-222L	25	22	0.1520	1.61	1.61
MLP5025-272L	26	27	0.1790	1.48	1.48
MLP5025-332L	27	33	0.2220	1.33	1.33
MLP5025-392L	28	39	0.3150	1.12	1.12
MLP5025-472L	29	47	0.3620	1.04	1.04
MLP5025-562L	30	56	0.3970	1.00	1.00

All part numbers provide 15% tolerance on inductance

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

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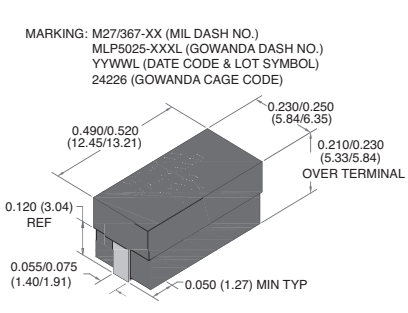

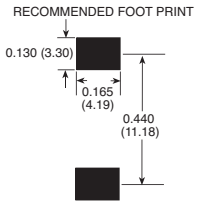

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