

MLP8527



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

M27/370 Ferrite Core

Outgassing Tested per ASTM E-595 (*)



PART NUMBER	MIL DASH NUMBER	L μ H @ 1 kHz *	DCR OHMS MAX	CURRENT RATING A DC	INC I A DC
FERRITE CORE					
MLP8527-101LT	01T	1.0	0.009	6.27	6.4
MLP8527-121LT	02T	1.2	0.010	5.95	5.8
MLP8527-151LT	03T	1.5	0.011	5.67	5.2
MLP8527-181LT	04T	1.8	0.012	5.43	4.8
MLP8527-221LT	05T	2.2	0.013	5.22	4.3
MLP8527-271LT	06T	2.7	0.014	5.03	3.9
MLP8527-331LT	07T	3.3	0.016	4.70	3.5
MLP8527-391LT	08T	3.9	0.017	4.56	3.2
MLP8527-471LT	09T	4.7	0.022	4.01	2.9
MLP8527-561LT	10T	5.6	0.024	3.84	2.7
MLP8527-681LT	11T	6.8	0.026	3.69	2.5
MLP8527-821LT	12T	8.2	0.028	3.55	2.2
MLP8527-102LT	13T	10	0.033	3.27	2.0
MLP8527-122LT	14T	12	0.037	3.09	1.8
MLP8527-152LT	15T	15	0.040	2.97	1.6
MLP8527-182LT	16T	18	0.044	2.84	1.5
MLP8527-222LT	17T	22	0.050	2.66	1.4
MLP8527-272LT	18T	27	0.070	2.25	1.2
MLP8527-332LT	19T	33	0.075	2.17	1.1
MLP8527-392LT	20T	39	0.084	2.05	1.0
MLP8527-472LT	21T	47	0.104	1.84	0.93
MLP8527-562LT	22T	56	0.130	1.65	0.85
MLP8527-682LT	23T	68	0.145	1.56	0.77
MLP8527-822LT	24T	82	0.152	1.53	0.71
MLP8527-103LT	25T	100	0.208	1.30	0.64
MLP8527-123LT	26T	120	0.283	1.12	0.58

All part numbers provide 15% tolerance on inductance

continued next page

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

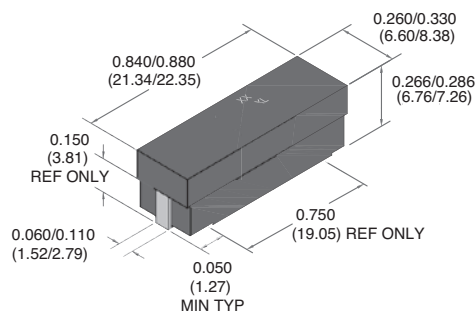
NOTES:

- 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 2.5 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; this calculation does not include WVR (Water Vapor Recovered)

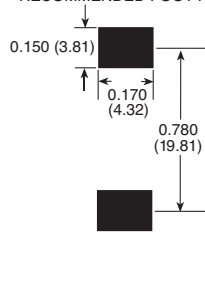
TAPE AND REEL SPECS:

Pcs./Reel maximum:	480
Pitch between parts:	16 mm
Tape width:	44 mm
Reel diameter:	13 in.

MARKING: M27/370-XXT (MIL DASH NO.)
MLP8527-XXXLT (GOWANDA DASH NO.)
XXXXY (DATE CODE & LOT SYMBOL)
24226 (GOWANDA CAGE CODE)



RECOMMENDED FOOT PRINT



in. (mm)

continued from previous page

MLP8527



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

M27/370 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					
MLP8527-153LT	27T	150	0.330	1.04	0.52
MLP8527-183LT	28T	180	0.362	0.99	0.48
MLP8527-223LT	29T	220	0.505	0.84	0.43
MLP8527-273LT	30T	270	0.557	0.80	0.39
MLP8527-333LT	31T	330	0.650	0.74	0.35
MLP8527-393LT	32T	390	0.770	0.68	0.32
MLP8527-473LT	33T	470	1.03	0.59	0.29
MLP8527-563LT	34T	560	1.14	0.56	0.27
MLP8527-683LT	35T	680	1.50	0.49	0.25
MLP8527-823LT	36T	820	1.98	0.42	0.22
MLP8527-104LT	37T	1000	2.30	0.39	0.20
MLP8527-124LT	38T	1200	2.55	0.37	0.18
MLP8527-154LT	39T	1500	3.00	0.34	0.16
MLP8527-184LT	40T	1800	4.00	0.30	0.15
MLP8527-224LT	41T	2200	4.40	0.28	0.14
MLP8527-274LT	42T	2700	5.80	0.25	0.12
MLP8527-334LT	43T	3300	6.56	0.23	0.11
MLP8527-394LT	44T	3900	8.63	0.20	0.10
MLP8527-474LT	45T	4700	10.1	0.19	0.09
MLP8527-564LT	46T	5600	11.2	0.18	0.09
MLP8527-684LT	47T	6800	15.0	0.15	0.08
MLP8527-824LT	48T	8200	20.8	0.13	0.07
MLP8527-105LT	49T	10000	23.4	0.12	0.06
MLP8527-125LT	50T	12000	26.0	0.12	0.06
MLP8527-155LT	51T	15000	36.0	0.10	0.05
MLP8527-185LT	52T	18000	40.0	0.09	0.05

All part numbers provide 15% tolerance on inductance

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

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 2.5 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; this calculation does not include WVR (Water Vapor Recovered)

TAPE AND REEL SPECS:

Pcs./Reel maximum:	480
Pitch between parts:	16 mm
Tape width:	44 mm
Reel diameter:	13 in.

