MLP8527

TRADITIONAL Pb

Wirewound, Molded, MIL-PRF-27

M27/370 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
		M27/370 FERRITE CORE			
MLP8527-101L	01	1.0	0.009	6.27	6.4
MLP8527-121L	02	1.2	0.010	5.95	5.8
MLP8527-151L	03	1.5	0.011	5.67	5.2
MLP8527-181L	04	1.8	0.012	5.43	4.8
MLP8527-221L	05	2.2	0.013	5.22	4.3
MLP8527-271L	06	2.7	0.014	5.03	3.9
MLP8527-331L	07	3.3	0.016	4.70	3.5
MLP8527-391L	08	3.9	0.017	4.56	3.2
MLP8527-471L	09	4.7	0.022	4.01	2.9
MLP8527-561L	10	5.6	0.024	3.84	2.7
MLP8527-681L	11	6.8	0.026	3.69	2.5
MLP8527-821L	12	8.2	0.028	3.55	2.2
MLP8527-102L	13	10	0.033	3.27	2.0
MLP8527-122L	14	12	0.037	3.09	1.8
MLP8527-152L	15	15	0.040	2.97	1.6
MLP8527-182L	16	18	0.044	2.84	1.5
MLP8527-222L	17	22	0.050	2.66	1.4
MLP8527-272L	18	27	0.070	2.25	1.2
MLP8527-332L	19	33	0.075	2.17	1.1
MLP8527-392L	20	39	0.084	2.05	1.0
MLP8527-472L	21	47	0.104	1.84	0.93
MLP8527-562L	22	56	0.130	1.65	0.85
MLP8527-682L	23	68	0.145	1.56	0.77
MLP8527-822L	24	82	0.152	1.53	0.71
MLP8527-103L	25	100	0.208	1.30	0.64
MLP8527-123L	26	120	0.283	1.12	0.58
MLP8527-153L	27	150	0.330	1.04	0.52
MLP8527-183L	28	180	0.362	0.99	0.48
MLP8527-223L	29	220	0.505	0.84	0.43
MLP8527-273L	30	270	0.557	0.80	0.39

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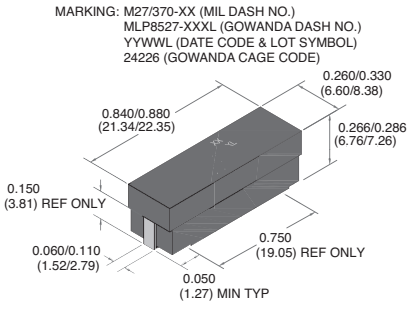
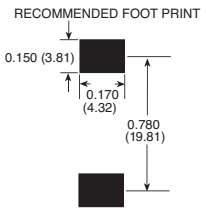
All part numbers provide 15% tolerance on inductance

* 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 2.5 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:	480
Pitch between parts:	16 mm
Tape width:	44 mm
Reel diameter:	13 in.

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PART NUMBER	MIL DASH NUMBER	L µH @1 kHz *	DCR OHMS MAX	CURRENT RATING A DC	INC I A DC
M27/370 FERRITE CORE					
MLP8527-333L	31	330	0.650	0.74	0.35
MLP8527-393L	32	390	0.770	0.68	0.32
MLP8527-473L	33	470	1.03	0.59	0.29
MLP8527-563L	34	560	1.14	0.56	0.27
MLP8527-683L	35	680	1.50	0.49	0.25
MLP8527-823L	36	820	1.98	0.42	0.22
MLP8527-104L	37	1000	2.30	0.39	0.20
MLP8527-124L	38	1200	2.55	0.37	0.18
MLP8527-154L	39	1500	3.00	0.34	0.16
MLP8527-184L	40	1800	4.00	0.30	0.15
MLP8527-224L	41	2200	4.40	0.28	0.14
MLP8527-274L	42	2700	5.80	0.25	0.12
MLP8527-334L	43	3300	6.56	0.23	0.11
MLP8527-394L	44	3900	8.63	0.20	0.10
MLP8527-474L	45	4700	10.1	0.19	0.09
MLP8527-564L	46	5600	11.2	0.18	0.09
MLP8527-684L	47	6800	15.0	0.15	0.08
MLP8527-824L	48	8200	20.8	0.13	0.07
MLP8527-105L	49	10000	23.4	0.12	0.06
MLP8527-125L	50	12000	26.0	0.12	0.06
MLP8527-155L	51	15000	36.0	0.10	0.05
MLP8527-185L	52	18000	40.0	0.09	0.05

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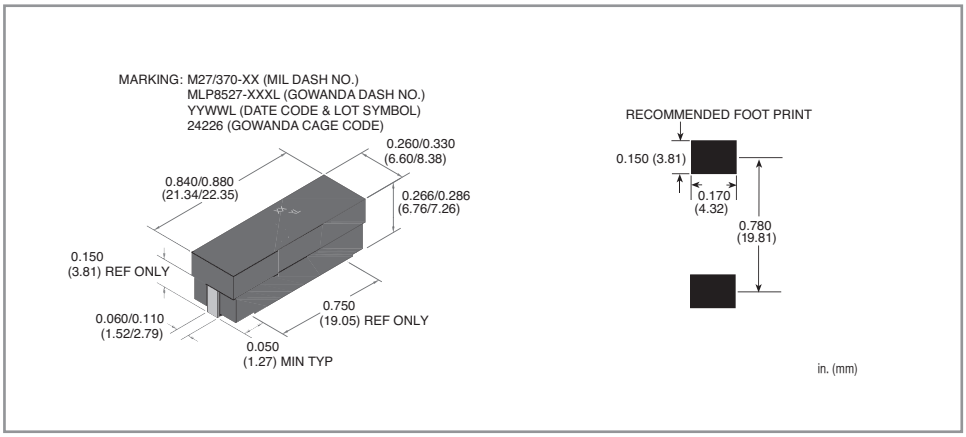

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