

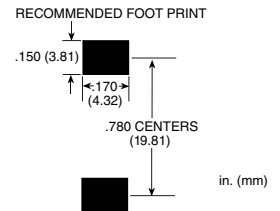
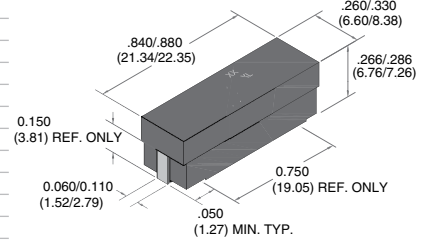
MLP8527 Power Inductors - Military Approved

M27/370 Ferrite Core



PART NUMBER	MIL DASH NUMBER	L μ H \pm 15% @1 kHz *	DCR OHMS MAX	CURRENT RATING AMPS	INCREMENTAL CURRENT AMPS **
MLP8527-101L	01	1.0	.009	6.27	6.4
MLP8527-121L	02	1.2	.010	5.95	5.8
MLP8527-151L	03	1.5	.011	5.67	5.2
MLP8527-181L	04	1.8	.012	5.43	4.8
MLP8527-221L	05	2.2	.013	5.22	4.3
MLP8527-271L	06	2.7	.014	5.03	3.9
MLP8527-331L	07	3.3	.016	4.70	3.5
MLP8527-391L	08	3.9	.017	4.56	3.2
MLP8527-471L	09	4.7	.022	4.01	2.9
MLP8527-561L	10	5.6	.024	3.84	2.7
MLP8527-681L	11	6.8	.026	3.69	2.5
MLP8527-821L	12	8.2	.028	3.55	2.2
MLP8527-102L	13	10	.033	3.27	2.0
MLP8527-122L	14	12	.037	3.09	1.8
MLP8527-152L	15	15	.040	2.97	1.6
MLP8527-182L	16	18	.044	2.84	1.5
MLP8527-222L	17	22	.050	2.66	1.4
MLP8527-272L	18	27	.070	2.25	1.2
MLP8527-332L	19	33	.075	2.17	1.1
MLP8527-392L	20	39	.084	2.05	1.0
MLP8527-472L	21	47	.104	1.84	.93
MLP8527-562L	22	56	.130	1.65	.85
MLP8527-682L	23	68	.145	1.56	.77
MLP8527-822L	24	82	.152	1.53	.71
MLP8527-103L	25	100	.208	1.30	.64
MLP8527-123L	26	120	.283	1.12	.58
MLP8527-153L	27	150	.330	1.04	.52
MLP8527-183L	28	180	.362	.99	.48
MLP8527-223L	29	220	.505	.84	.43
MLP8527-273L	30	270	.557	.80	.39
MLP8527-333L	31	330	.650	.74	.35
MLP8527-393L	32	390	.770	.68	.32
MLP8527-473L	33	470	1.03	.59	.29
MLP8527-563L	34	560	1.14	.56	.27
MLP8527-683L	35	680	1.50	.49	.25
MLP8527-823L	36	820	1.98	.42	.22
MLP8527-104L	37	1000	2.30	.39	.20
MLP8527-124L	38	1200	2.55	.37	.18
MLP8527-154L	39	1500	3.00	.34	.16
MLP8527-184L	40	1800	4.00	.30	.15
MLP8527-224L	41	2200	4.40	.28	.14
MLP8527-274L	42	2700	5.80	.25	.12
MLP8527-334L	43	3300	6.56	.23	.11
MLP8527-394L	44	3900	8.63	.20	.10
MLP8527-474L	45	4700	10.1	.19	.09
MLP8527-564L	46	5600	11.2	.18	.09
MLP8527-684L	47	6800	15.0	.15	.08
MLP8527-824L	48	8200	20.8	.13	.07
MLP8527-105L	49	10000	23.4	.12	.06
MLP8527-125L	50	12000	26.0	.12	.06
MLP8527-155L	51	15000	36.0	.10	.05
MLP8527-185L	52	18000	40.0	.09	.05

MARKING: M27/370-XX (MIL DASH #)
MLP8527-XXXXL
XXXXY (DATE CODE & LOT CODE)
24226



NOTES:

- Operating temperature -55°C to +130°C
- Grade 5, encapsulated
- Weight maximum 2.5 grams
- DWV 1000 Vrms @ sea level
500 Vrms @ 70,000 feet
- Rated current is based on a 45°C temperature rise at an ambient temperature of 85°C (Ferrite)
- * Measured at 1 V ac open circuit with no dc current at 1 KHz
- ** The dc current at which the inductance will decrease by a maximum of 5 percent from the inductance at zero dc current

TAPE AND REEL SPECS:

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