

QPL POWER INDUCTORS - SURFACE MOUNT



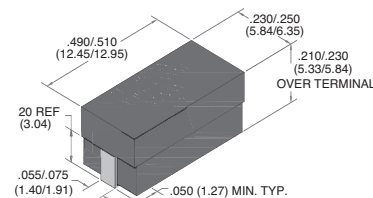
MLP5025 Power Inductors - Level T Qualified

M27/367 Ferrite Core

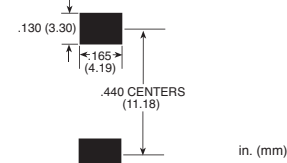


PART NUMBER	MIL DASH NUMBER	L μ H $\pm$ 15% @1 kHz *	DCR OHMS MAX	CURRENT RATING AMPS	INCREMENTAL CURRENT AMPS **
MLP5025-220LT	01T	0.22	.0080	7.00	7.00
MLP5025-270LT	02T	0.27	.0085	6.75	6.75
MLP5025-330LT	03T	0.33	.0090	6.50	6.50
MLP5025-390LT	04T	0.39	.0095	6.25	6.25
MLP5025-470LT	05T	0.47	.0100	6.00	6.00
MLP5025-560LT	06T	0.56	.0105	5.80	5.80
MLP5025-680LT	07T	0.68	.0110	5.70	5.70
MLP5025-820LT	08T	0.82	.0120	5.60	5.60
MLP5025-101LT	09T	1.0	.013	5.50	5.50
MLP5025-121LT	10T	1.2	.018	4.69	4.69
MLP5025-151LT	11T	1.5	.020	4.45	4.45
MLP5025-181LT	12T	1.8	.021	4.34	4.34
MLP5025-221LT	13T	2.2	.029	3.70	3.70
MLP5025-271LT	14T	2.7	.034	3.41	3.41
MLP5025-331LT	15T	3.3	.038	3.23	3.23
MLP5025-391LT	16T	3.9	.042	3.07	3.07
MLP5025-471LT	17T	4.7	.047	2.90	2.90
MLP5025-561LT	18T	5.6	.051	2.79	2.79
MLP5025-681LT	19T	6.8	.058	2.61	2.61
MLP5025-821LT	20T	8.2	.063	2.51	2.51
MLP5025-102LT	21T	10	.071	2.36	2.36
MLP5025-122LT	22T	12	.079	2.24	2.24
MLP5025-152LT	23T	15	.089	2.11	2.11
MLP5025-182LT	24T	18	.119	1.82	1.82
MLP5025-222LT	25T	22	.152	1.61	1.61
MLP5025-272LT	26T	27	.179	1.48	1.48
MLP5025-332LT	27T	33	.222	1.33	1.33
MLP5025-392LT	28T	39	.315	1.12	1.12
MLP5025-472LT	29T	47	.362	1.04	1.04
MLP5025-562LT	30T	56	.397	1.00	1.00
MLP5025-682LT	31T	68	.418	.97	.97
MLP5025-822LT	32T	82	.604	.81	.81
MLP5025-103LT	33T	100	.672	.76	.76
MLP5025-123LT	34T	120	.735	.73	.73
MLP5025-153LT	35T	150	.998	.63	.63
MLP5025-183LT	36T	180	1.37	.53	.53
MLP5025-223LT	37T	220	1.58	.50	.50
MLP5025-273LT	38T	270	1.77	.47	.47
MLP5025-333LT	39T	330	2.51	.39	.39
MLP5025-393LT	40T	390	2.73	.38	.38
MLP5025-473LT	41T	470	3.25	.35	.35
MLP5025-563LT	42T	560	3.75	.33	.33
MLP5025-683LT	43T	680	4.31	.30	.30
MLP5025-823LT	44T	820	6.04	.26	.26
MLP5025-104LT	45T	1000	6.90	.24	.24
MLP5025-124LT	46T	1200	10.0	.20	.20
MLP5025-154LT	47T	1500	12.5	.178	.178
MLP5025-184LT	48T	1800	16.0	.157	.157
MLP5025-224LT	49T	2200	20.0	.141	.141
MLP5025-274LT	50T	2700	23.0	.131	.131
MLP5025-334LT	51T	3300	25.0	.126	.126
MLP5025-394LT	52T	3900	33.0	.110	.110
MLP5025-474LT	53T	4700	37.0	.103	.103
MLP5025-564LT	54T	5600	40.0	.100	.100
MLP5025-684LT	55T	6800	62.0	.080	.080
MLP5025-824LT	56T	8200	66.0	.077	.077
MLP5025-105LT	57T	10000	74.0	.071	.071
MLP5025-125LT	58T	12000	93.0	.065	.065
MLP5025-155LT	59T	15000	105.0	.061	.061
MLP5025-185LT	60T	18000	143.0	.052	.052
MLP5025-225LT	61T	22000	160.0	.050	.050

MARKING: M27/367-XXT (MIL DASH #)
MLP5025-XXXLT
XXXXY (DATE CODE & LOT CODE)
24226



RECOMMENDED FOOT PRINT



NOTES:

• Level T Product is 100% Tested In Accordance with MIL-PRF-27 Group A Subgroup I which includes Thermal Shock, Burn In, and Radiographic Inspection Tests

• Operating temperature -55°C to +130°C

• Grade 5, encapsulated

• Weight maximum 1.5 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: 800
Pitch between parts: 12 mm
Tape width: 24 mm
Reel diameter inches: 13