

QPL POWER INDUCTORS - SURFACE MOUNT



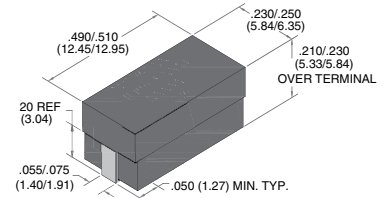
MLP5025 Power Inductors - Military Approved

M27/367 Ferrite Core

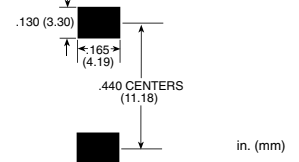


PART NUMBER	MIL DASH NUMBER	L μ H \pm 15% @1 kHz *	DCR OHMS MAX	CURRENT RATING AMPS	INCREMENTAL CURRENT AMPS **
MLP5025-220L	01	0.22	.0080	7.00	7.00
MLP5025-270L	02	0.27	.0085	6.75	6.75
MLP5025-330L	03	0.33	.0090	6.50	6.50
MLP5025-390L	04	0.39	.0095	6.25	6.25
MLP5025-470L	05	0.47	.0100	6.00	6.00
MLP5025-560L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

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



RECOMMENDED FOOT PRINT



NOTES:

- 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