



MLP1812



Wirewound, Molded, MIL-PRF-27

M27/368 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
M27/368 FERRITE CORE					
MLP1812-101K	01	1.0	0.113	1.050	2.400
MLP1812-121K	02	1.2	0.199	1.000	2.158
MLP1812-151K	03	1.5	0.222	0.950	1.980
MLP1812-181K	04	1.8	0.240	0.900	1.028
MLP1812-221K	05	2.2	0.268	0.850	1.697
MLP1812-271K	06	2.7	0.288	0.800	1.513
MLP1812-331K	07	3.3	0.323	0.750	1.397
MLP1812-391K	08	3.9	0.347	0.700	1.250
MLP1812-471K	09	4.7	0.401	0.650	1.131
MLP1812-561K	10	5.6	0.437	0.650	1.060
MLP1812-681K	11	6.8	0.472	0.600	0.990
MLP1812-821K	12	8.2	0.548	0.600	0.871
MLP1812-102K	13	10	0.608	0.550	0.772
MLP1812-122K	14	12	0.670	0.550	0.752
MLP1812-152K	15	15	0.780	0.450	0.693
MLP1812-182K	16	18	0.875	0.400	0.614
MLP1812-222K	17	22	1.200	0.370	0.515
MLP1812-272K	18	27	1.404	0.330	0.465
MLP1812-332K	19	33	1.578	0.300	0.425
MLP1812-392K	20	39	1.848	0.280	0.376
MLP1812-472K	21	47	2.064	0.260	0.366
MLP1812-562K	22	56	2.268	0.240	0.336
MLP1812-682K	23	68	3.408	0.220	0.297
MLP1812-822K	24	82	3.648	0.200	0.267
MLP1812-103K	25	100	4.320	0.180	0.238
MLP1812-123K	26	120	6.000	0.160	0.208
MLP1812-153K	27	150	6.432	0.140	0.183
MLP1812-183K	28	180	8.400	0.120	0.158
MLP1812-223K	29	220	9.680	0.120	0.143
MLP1812-273K	30	270	12.720	0.100	0.129
MLP1812-333K	31	330	15.240	0.090	0.118

All part numbers provide 10% 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 40°C temperature rise at an ambient temperature of 90°C
- Incremental Current is the approximate value that will cause a 5% maximum decrease in inductance at a zero dc current
- DWV 200 Vrms @ Sea Level
80 Vrms @ 70,000 Feet
- Grade 5, encapsulated
- Weight maximum 1.5 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:	2200
Pitch between parts:	8 mm
Tape width:	12 mm
Reel diameter:	13 in.

