

SERIES

MILP1812

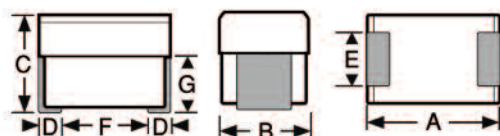


MIL-PRF-27/368 Qualified Surface Mount Power Inductors

Power Inductors



Actual Size



Physical Parameters

	Inches	Millimeters
A	0.166 to 0.190	4.22 to 4.83
B	0.118 to 0.134	3.00 to 3.40
C	0.118 to 0.134	3.00 to 3.40
D	0.015 Min.	0.38 Min.
E	0.054 to 0.078	1.37 to 1.98
F	0.118 (Ref. only)	3.00 (Ref. only)
G	0.066 (Ref. only)	1.68 (Ref. only)

Dimensions "A" and "C" are over terminals

Operating Temperature Range -55°C to +130°C

Current Rating at 90°C Ambient 40°C Rise

Maximum Power Dissipation at 90°C 0.278 W

Inductance Measured at 1V with no DC current

Incremental Current The current at which the inductance will decrease by a maximum of 5% from its inductance at zero DC current.

Marking Military Part Number; MP1812 followed by the dash number with tolerance letter; date code (YYWWL).

Example: MILP1812-103K

M27/368-13
MP1812-103K
0905A

Packaging Tape & reel (12mm): 7" reel, 650 pieces max.; 13" reel, 2500 pieces max.

Lead Finish Sn63Pb37
(Tin-Lead) Hot Solder Dipped

Made In the U.S.A.

DASH NUMBER*

MIL DASH

INDUCTANCE (μH)
±10% @ 1KHz

DC RESISTANCE
MAXIMUM (OHMS)

CURRENT RATING
MAXIMUM (mA DC)

INCREMENTAL
CURRENT (mA DC)

M27/368 - SERIES MILP1812 FERRITE CORE

-102K	-01	1.0	0.113	1050	2400
-122K	-02	1.2	0.199	1000	2158
-152K	-03	1.5	0.222	950	1980
-182K	-04	1.8	0.240	900	1828
-222K	-05	2.2	0.268	850	1697
-272K	-06	2.7	0.288	800	1513
-332K	-07	3.3	0.323	750	1397
-392K	-08	3.9	0.347	700	1250
-472K	-09	4.7	0.401	650	1131
-562K	-10	5.6	0.437	650	1060
-682K	-11	6.8	0.472	600	990
-822K	-12	8.2	0.548	600	871
-103K	-13	10	0.608	550	772
-123K	-14	12	0.670	550	752
-153K	-15	15	0.780	450	693
-183K	-16	18	0.875	400	614
-223K	-17	22	1.200	370	515
-273K	-18	27	1.404	330	465
-333K	-19	33	1.578	300	425
-393K	-20	39	1.848	280	376
-473K	-21	47	2.064	260	366
-563K	-22	56	2.268	240	336
-683K	-23	68	3.408	220	297
-823K	-24	82	3.648	200	267
-104K	-25	100	4.320	180	238
-124K	-26	120	6.000	160	208
-154K	-27	150	6.432	140	183
-184K	-28	180	8.400	120	158
-224K	-29	220	9.680	120	143
-274K	-30	270	12.720	100	129
-334K	-31	330	15.240	90	118

*Complete part # must include series # PLUS the dash #