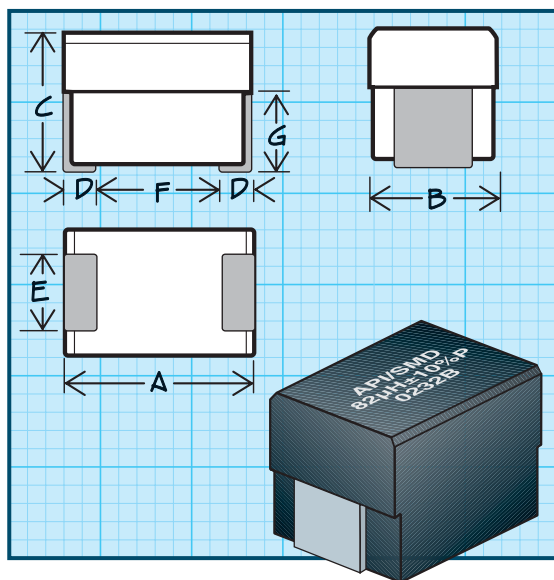


Series P1812

Surface Mount Power Inductors



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 $+125^{\circ}\text{C}$

Current Rating at 90°C Ambient 35°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 be decreased by a maximum of 5% from its initial zero DC value.

Packaging Tape & reel (16mm): 7" reel, 500 pieces max.; 13" reel, 2200 pieces max.

Made In the U.S.A. Patent Protected

PART NUMBER	INDUCTANCE (μH) $\pm 10\%$ @ 1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. (mA DC)	INCREMENTAL CURRENT (mA DC)
SERIES P1812				
P1812-102K	1.0	0.113	1050	2400
P1812-122K	1.2	0.199	1000	2158
P1812-152K	1.5	0.222	950	1980
P1812-182K	1.8	0.240	900	1828
P1812-222K	2.2	0.268	850	1697
P1812-272K	2.7	0.288	800	1513
P1812-332K	3.3	0.323	750	1397
P1812-392K	3.9	0.347	700	1250
P1812-472K	4.7	0.401	650	1131
P1812-562K	5.6	0.437	650	1060
P1812-682K	6.8	0.472	600	990
P1812-822K	8.2	0.548	600	871
P1812-103K	10	0.608	550	772
P1812-123K	12	0.670	550	752
P1812-153K	15	0.780	450	693
P1812-183K	18	0.875	400	614
P1812-223K	22	1.200	370	515
P1812-273K	27	1.404	330	465
P1812-333K	33	1.578	300	425
P1812-393K	39	1.848	280	376
P1812-473K	47	2.064	260	366
P1812-563K	56	2.268	240	336
P1812-683K	68	3.408	220	297
P1812-823K	82	3.648	200	267
P1812-104K	100	4.320	180	238
P1812-124K	120	6.000	160	208
P1812-154K	150	6.432	140	183
P1812-184K	180	8.400	120	158
P1812-224K	220	9.680	120	143
P1812-274K	270	12.720	100	129
P1812-334K	330	15.240	90	118

OPTIONAL TOLERANCES: J=5% H=3% G=2%

POWER INDUCTORS