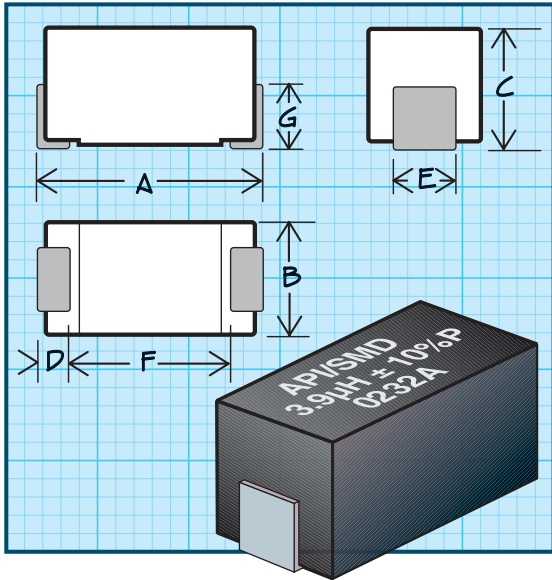


# Series P1330

## Surface Mount Power Inductors



### Physical Parameters

	Inches	Millimeters
A	0.300 to 0.325	7.62 to 8.26
B	0.105 to 0.125	2.67 to 3.18
C	0.125 to 0.145	3.18 to 3.68
D	0.020 Min.	0.508 Min
E	0.040 to 0.060	1.02 to 1.52
F	0.190 (Ref. only)	4.83 (Ref. only)
G	0.070 (Ref. only)	1.78 (Ref. only)

**Weight Max** (Grams) 0.30

**Operating Temperature Range** -55°C to +125°C

**Current Rating at 90°C Ambient** 35°C Rise

**Maximum Power Dissipation at 90°C** 0.210 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) ±10% @ 1 kHz	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAX. (mA DC)	INCREMENTAL CURRENT (mA DC)
<b>SERIES P1330 FERRITE CORE</b>				
P1330-102K	1.0	0.035	2780	1526
P1330-122K	1.2	0.041	2690	1400
P1330-152K	1.5	0.043	2030	1291
P1330-182K	1.8	0.048	1950	1180
P1330-222K	2.2	0.075	1690	1104
P1330-272K	2.7	0.080	1550	936
P1330-332K	3.3	0.108	1460	840
P1330-392K	3.9	0.118	1390	732
P1330-472K	4.7	0.125	1330	720
P1330-562K	5.6	0.145	1110	612
P1330-682K	6.8	0.165	1080	600
P1330-822K	8.2	0.180	1020	600
P1330-103K	10	0.216	946	564
P1330-123K	12	0.252	912	516
P1330-153K	15	0.288	858	432
P1330-183K	18	0.328	817	420
P1330-223K	22	0.384	694	348
P1330-273K	27	0.425	657	324
P1330-333K	33	0.538	568	270
P1330-393K	39	0.600	488	270
P1330-473K	47	0.792	467	246
P1330-563K	56	0.900	442	216
P1330-683K	68	1.020	384	174
P1330-823K	82	1.380	362	150
P1330-104K	100	1.680	347	132
P1330-124K	120	1.800	327	111
P1330-154K	150	2.040	272	106
P1330-184K	180	2.400	261	89
P1330-224K	220	2.648	223	72
P1330-274K	270	4.320	191	60
P1330-334K	330	4.800	179	57
P1330-394K	390	5.640	171	48
P1330-474K	470	6.000	161	41
P1330-564K	560	6.960	138	35
P1330-684K	680	8.760	130	30
P1330-824K	820	9.960	113	26
P1330-105K	1000	11.160	105	22

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

POWER INDUCTORS