

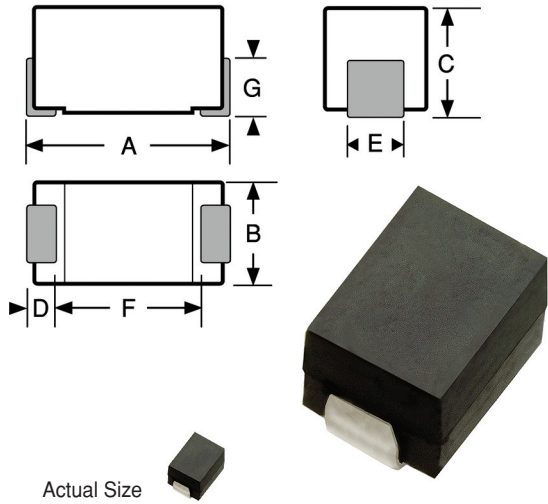
**SERIES**

**P1330R  
P1330**



**Surface Mount Power Inductors**

Power Inductors



Actual Size

**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.

**Marking** API/SMD; inductance with units and tolerance followed by a P; date code (YYWWL). Note: An R before the date code indicates a RoHS component.

Example: P1330-104J  
API/SMD  
8.2uH±10%P  
0719A

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

**Made In the U.S.A.**

DASH NUMBER\*  
INDUCTANCE (uH) ±10% @ 1 kHz  
DC RESISTANCE MAXIMUM (OHMS)  
CURRENT RATING MAXIMUM (mA DC)  
INCREMENTAL CURRENT (mA DC)

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

Optional Tolerances: J = 5% H = 3% G = 2%

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

For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)