

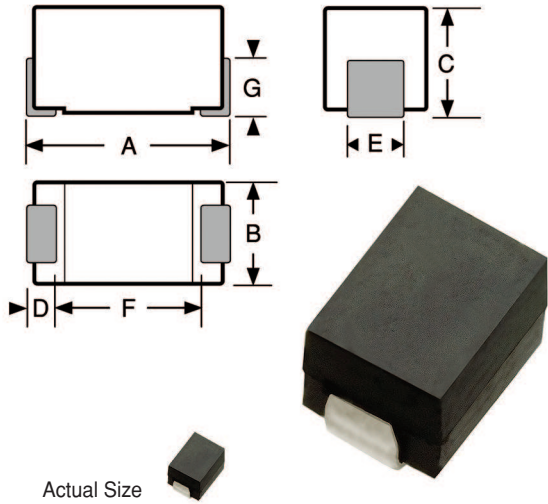
**SERIES**

**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)