

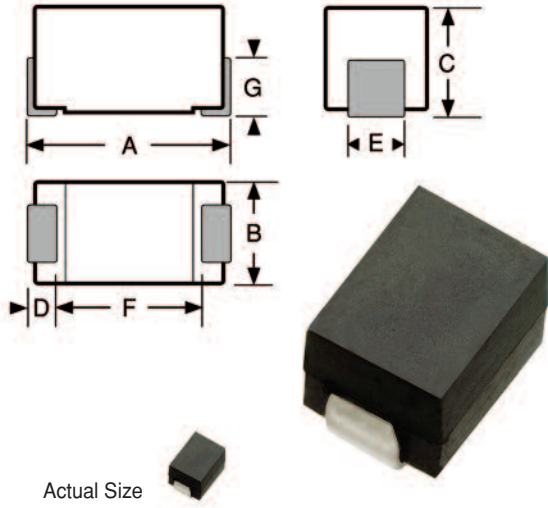
SERIES

**P1330R
P1330**



Surface Mount Power Inductors

DASH NUMBER*
INDUCTANCE (μH)
±10% @ 1 KHZ
DC RESISTANCE
MAXIMUM (OHMS)
CURRENT RATING
MAXIMUM (mA DC)
INCREMENTAL
CURRENT (mA DC)



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. Patent Protected

| 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