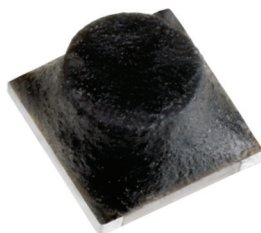
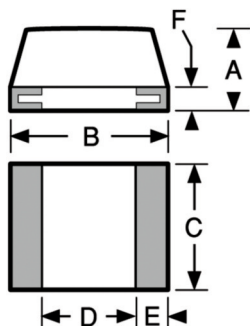


**SERIES****P160R  
P160****Power Micro i® Chip Inductors**

Actual Size

**Physical Parameters**

|   | Inches            | Millimeters    |
|---|-------------------|----------------|
| A | 0.100 Max.        | 2.54 Max.      |
| B | 0.145 to 0.155    | 3.68 to 3.94   |
| C | 0.115 to 0.125    | 2.92 to 3.18   |
| D | 0.070 Min.        | 1.78 Min.      |
| E | 0.020 to 0.030    | 0.508 to 0.762 |
| F | 0.020 Max. (Typ.) | 0.51 Max.      |

**Operating Temperature Range** -55°C to +125°C**Current Rating at 90°C Ambient** 35°C Rise**Maximum Power Dissipation at 90°C** 0.170 W

**Termination** Standard-Tin/Lead. For RoHS, order P160R-XXXKS. Consult the factory for additional finish options.

**Inductance** Measured at 0.100VAC with no DC Current

**Incremental Current** The current at which the inductance will be decreased by a maximum of 5% from its initial 0 ADC value

**Packaging** Bulk only

DASH NUMBER\*

INDUCTANCE (μH)  
±10% @ 100 kHzDC RESISTANCE  
MAXIMUM (OHMS)CURRENT RATING  
MAXIMUM (mA)INCREMENTAL  
CURRENT (mA)**SERIES P160 FERRITE CORE**

|        |       |       |      |      |
|--------|-------|-------|------|------|
| -331KS | 0.330 | 0.033 | 1929 | 2636 |
| -391KS | 0.390 | 0.035 | 1873 | 2417 |
| -471KS | 0.470 | 0.038 | 1797 | 2231 |
| -561KS | 0.560 | 0.041 | 1730 | 2071 |
| -681KS | 0.680 | 0.044 | 1670 | 1933 |
| -821KS | 0.820 | 0.050 | 1567 | 1706 |
| -102KS | 1.00  | 0.056 | 1480 | 1526 |
| -122KS | 1.20  | 0.078 | 1254 | 1381 |
| -152KS | 1.50  | 0.086 | 1195 | 1261 |
| -182KS | 1.80  | 0.093 | 1149 | 1160 |
| -222KS | 2.20  | 0.11  | 1056 | 1036 |
| -272KS | 2.70  | 0.12  | 1011 | 935  |
| -332KS | 3.30  | 0.16  | 876  | 829  |
| -392KS | 3.90  | 0.17  | 850  | 784  |
| -472KS | 4.70  | 0.24  | 715  | 707  |
| -562KS | 5.60  | 0.26  | 687  | 644  |
| -682KS | 6.80  | 0.28  | 662  | 592  |
| -822KS | 8.20  | 0.40  | 554  | 537  |
| -103KS | 10.0  | 0.57  | 464  | 483  |
| -123KS | 12.0  | 0.63  | 441  | 439  |
| -153KS | 15.0  | 0.70  | 419  | 397  |
| -183KS | 18.0  | 1.0   | 350  | 358  |
| -223KS | 22.0  | 1.1   | 334  | 326  |
| -273KS | 27.0  | 1.2   | 320  | 293  |
| -333KS | 33.0  | 1.6   | 277  | 266  |
| -393KS | 39.0  | 1.8   | 261  | 244  |
| -473KS | 47.0  | 1.9   | 254  | 223  |
| -563KS | 56.0  | 2.7   | 213  | 204  |
| -683KS | 68.0  | 2.9   | 206  | 185  |
| -823KS | 82.0  | 3.2   | 196  | 169  |
| -104KS | 100   | 4.6   | 163  | 153  |
| -124KS | 120   | 5.0   | 157  | 139  |
| -154KS | 150   | 6.8   | 134  | 124  |
| -184KS | 180   | 7.5   | 128  | 114  |
| -224KS | 220   | 9.8   | 112  | 103  |
| -274KS | 270   | 10.8  | 107  | 93   |
| -334KS | 330   | 12.0  | 101  | 84   |

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

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

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