

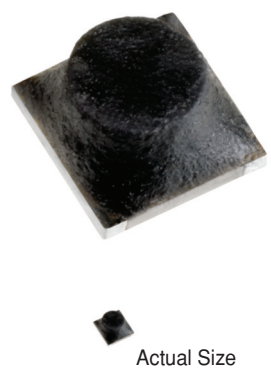
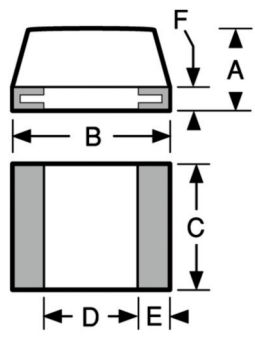
**SERIES**

**P160R  
P160**



**Power Micro i® Chip Inductors**

DASH NUMBER\*  
INDUCTANCE (µH)  
±10% @ 100 kHz  
DC RESISTANCE  
MAXIMUM (OHMS)  
CURRENT RATING  
MAXIMUM (mA)  
INCREMENTAL  
CURRENT (mA)



**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

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)