

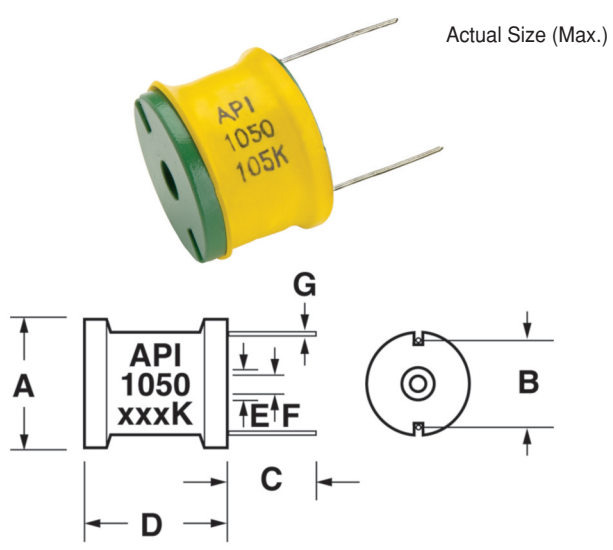
**SERIES**

**DC1050R  
DC1050**

RoHS  
Compliant  
Traditional  
First Quality

**High Current Power Line Chokes**

DASH NUMBER\*  
INDUCTANCE (μH)  
±10% @ 1.00 kHz  
MAXIMUM (OHMS)  
DC RESISTANCE  
@ 25°C  
CURRENT RATING  
MAXIMUM (A DC)  
INCREMENTAL  
CURRENT (A DC)  
LEAD DIAMETER  
(Inches, Reference)



| SERIES DC1050 and DC1050R |      |       |     |     |       |
|---------------------------|------|-------|-----|-----|-------|
| -104K                     | 100  | 0.034 | 7.5 | 9.0 | 0.046 |
| -124K                     | 120  | 0.046 | 6.5 | 8.0 | 0.040 |
| -154K                     | 150  | 0.064 | 5.5 | 7.0 | 0.040 |
| -184K                     | 180  | 0.072 | 5.1 | 6.5 | 0.040 |
| -224K                     | 220  | 0.080 | 4.8 | 6.0 | 0.040 |
| -274K                     | 270  | 0.110 | 4.2 | 5.0 | 0.036 |
| -334K                     | 330  | 0.122 | 4.0 | 4.5 | 0.036 |
| -394K                     | 390  | 0.169 | 3.4 | 4.0 | 0.032 |
| -474K                     | 470  | 0.187 | 3.2 | 3.8 | 0.032 |
| -564K                     | 560  | 0.205 | 3.0 | 3.5 | 0.032 |
| -684K                     | 680  | 0.256 | 2.7 | 3.0 | 0.029 |
| -824K                     | 820  | 0.288 | 2.5 | 2.8 | 0.029 |
| -105K                     | 1000 | 0.426 | 2.1 | 2.5 | 0.029 |
| -125K                     | 1200 | 0.462 | 2.0 | 2.2 | 0.026 |
| -155K                     | 1500 | 0.518 | 1.9 | 2.0 | 0.026 |
| -185K                     | 1800 | 0.705 | 1.6 | 1.8 | 0.026 |
| -225K                     | 2200 | 1.020 | 1.4 | 1.5 | 0.023 |
| -275K                     | 2700 | 1.140 | 1.3 | 1.4 | 0.023 |
| -335K                     | 3300 | 1.270 | 1.2 | 1.3 | 0.023 |
| -395K                     | 3900 | 1.670 | 1.1 | 1.2 | 0.020 |
| -475K                     | 4700 | 1.860 | 1.0 | 1.0 | 0.020 |

**Physical Parameters**

|   | Inches                                                                   | Millimeters                            |
|---|--------------------------------------------------------------------------|----------------------------------------|
| A | 1.080 to 1.180                                                           | 27.44 to 29.98                         |
| B | 0.770 Reference<br>(all except -104K)<br>0.810 Reference<br>(-104K only) | 19.56 Reference<br><br>20.75 Reference |
| C | 0.750 Minimum                                                            | 19.05 Minimum                          |
| D | 0.840 Maximum                                                            | 21.34 Maximum                          |
| E | 0.240 Reference                                                          | 6.10 Reference                         |
| F | 0.200 Reference                                                          | 5.08 Reference                         |
| G | See Table                                                                |                                        |

\*Complete part # must include series # PLUS the dash #  
For surface finish information, refer to [www.delevanfinishes.com](http://www.delevanfinishes.com)

**Operating Temperature Range** -55°C to +125°C;  
(-55°C to +80°C @ full current)

**Current Rating at 80° Ambient** 45°C Temperature Rise

**Maximum Power Dissipation at +80°C** 2.20 Watts  
Maximum

**Inductance** Measured @ 1 kHz with 0 ADC  
on Wayne Kerr 3245A, or equivalent

**Leads** Solder coated within 1/16" of Body

**Incremental Current** The amount of DC that decreases  
the inductance by 5% maximum, relative to the 0 ADC

**Dielectric Withstanding Voltage** 1000 Vrms Minimum

**Mechanical Configuration** Center hole allows for  
mounting

**Marking** API, 1050 or 1050R, dash number (per table)  
and inductance tolerance letter

API  
1050  
xxxK

**Packaging** Bulk only