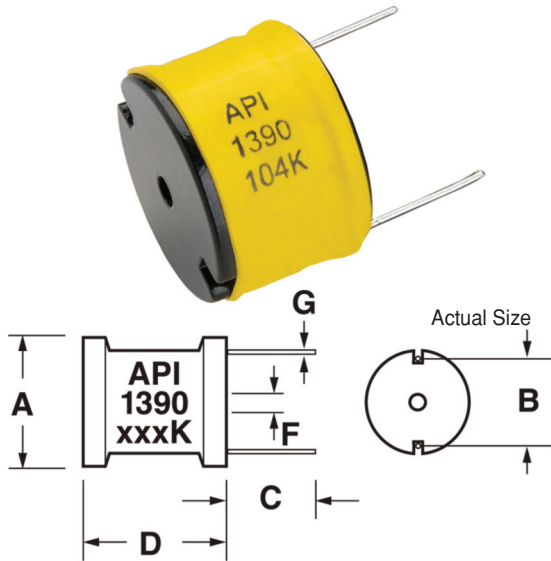


**SERIES****DC1390R**  
**DC1390****High Current Power Line Chokes****Physical Parameters**

|   | Inches          | Millimeters     |
|---|-----------------|-----------------|
| A | 1.400 to 1.480  | 35.56 to 37.60  |
| B | 1.150 Reference | 29.21 Reference |
| C | 0.750 Minimum   | 19.05 Minimum   |
| D | 1.064 Maximum   | 27.03 Maximum   |
| F | 0.200 Reference | 5.08 Reference  |
| G | See Table       |                 |

**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** 3.30 Watts  
Maximum

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

**Leads** Solder coated to 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, 1390 or 1390R, dash number (per table)  
and inductance tolerance letter

API  
1390  
xxxK

**Packaging** Bulk only

| DASH NUMBER*              | INDUCTANCE (μH)<br>±10% @ 1.00 KHz | DC RESISTANCE (OHMS)<br>@ 25°C | CURRENT RATING<br>MAXIMUM (A DC) | INCREMENTAL<br>CURRENT (A DC) | LEAD DIAMETER<br>(Inches, Reference) |
|---------------------------|------------------------------------|--------------------------------|----------------------------------|-------------------------------|--------------------------------------|
| SERIES DC1390 and DC1390R |                                    |                                |                                  |                               |                                      |
| -153K                     | 15.0                               | 0.006                          | 19.9                             | 33.3                          | 0.081                                |
| -183K                     | 18.0                               | 0.008                          | 17.3                             | 30.4                          | 0.081                                |
| -223K                     | 22.0                               | 0.009                          | 16.3                             | 28.0                          | 0.081                                |
| -273K                     | 27.0                               | 0.010                          | 15.4                             | 25.9                          | 0.081                                |
| -333K                     | 33.0                               | 0.011                          | 14.7                             | 22.6                          | 0.081                                |
| -393K                     | 39.0                               | 0.012                          | 14.1                             | 21.2                          | 0.081                                |
| -473K                     | 47.0                               | 0.018                          | 11.5                             | 20.0                          | 0.072                                |
| -563K                     | 56.0                               | 0.019                          | 11.2                             | 17.5                          | 0.072                                |
| -683K                     | 68.0                               | 0.021                          | 10.7                             | 16.3                          | 0.064                                |
| -823K                     | 82.0                               | 0.023                          | 10.2                             | 14.9                          | 0.064                                |
| -104K                     | 100                                | 0.025                          | 9.76                             | 13.2                          | 0.064                                |
| -124K                     | 120                                | 0.028                          | 9.23                             | 12.3                          | 0.064                                |
| -154K                     | 150                                | 0.040                          | 7.72                             | 10.8                          | 0.057                                |
| -184K                     | 180                                | 0.045                          | 7.28                             | 9.86                          | 0.057                                |
| -224K                     | 220                                | 0.050                          | 6.90                             | 9.09                          | 0.057                                |
| -274K                     | 270                                | 0.056                          | 6.52                             | 8.05                          | 0.057                                |
| -334K                     | 330                                | 0.074                          | 5.67                             | 7.37                          | 0.051                                |
| -394K                     | 390                                | 0.082                          | 5.39                             | 6.80                          | 0.051                                |
| -474K                     | 470                                | 0.114                          | 4.57                             | 6.20                          | 0.046                                |
| -564K                     | 560                                | 0.125                          | 4.37                             | 5.69                          | 0.046                                |
| -684K                     | 680                                | 0.139                          | 4.14                             | 5.11                          | 0.046                                |
| -824K                     | 820                                | 0.154                          | 3.93                             | 4.70                          | 0.046                                |
| -105K                     | 1000                               | 0.216                          | 3.32                             | 4.24                          | 0.041                                |
| -125K                     | 1200                               | 0.232                          | 3.21                             | 3.87                          | 0.041                                |
| -155K                     | 1500                               | 0.324                          | 2.71                             | 3.45                          | 0.036                                |
| -185K                     | 1800                               | 0.360                          | 2.57                             | 3.14                          | 0.036                                |
| -225K                     | 2200                               | 0.494                          | 2.20                             | 2.86                          | 0.032                                |
| -275K                     | 2700                               | 0.555                          | 2.07                             | 2.58                          | 0.032                                |
| -335K                     | 3300                               | 0.773                          | 1.76                             | 2.33                          | 0.029                                |
| -395K                     | 3900                               | 0.845                          | 1.68                             | 2.14                          | 0.029                                |

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

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