

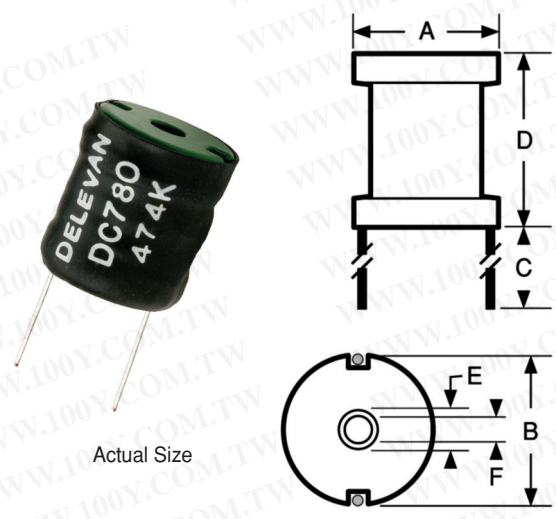
**SERIES**

**DC780R  
DC780**



**High Current Power Line Chokes**

DASH NUMBER\*    NOMINAL INDUCTANCE (µH)    TOLERANCE    DC RESISTANCE MAXIMUM (OHMS) @ 25°C    CURRENT RATING MAXIMUM (A DC)    INCREMENTAL CURRENT (A DC)    DIMENSIONAL (Inches, Reference)    LEAD DIAMETER (Inches, Reference)



Actual Size

**Physical Parameters**

|                | Inches                        | Millimeters |
|----------------|-------------------------------|-------------|
| A              | 0.775 ± 0.025                 | 19.6 ± 0.6  |
| B (C/L to C/L) | See Characteristics table     |             |
| C              | 0.750 Min.                    | 19.05 Min.  |
| D              | 0.815 ± 0.015                 | 20.7 ± 0.4  |
| E (Ref. only)  | 0.195 Max.                    | 4.95 Max.   |
| F              | Clearance Hole for 4/40 Screw |             |

Leads Tinned to within 1/16" of Body

**Inductance** Measured @ 1 KHz with 0 Amps dc

**Mechanical Configuration** Center hole allows for mechanical mounting; insulated bobbins.

**Operating Temperature**

-55°C to +125°C;  
-55°C to +80°C @ full rated current

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

**Incremental Current** Minimum current which causes a 5% max. change in Inductance

**Power Dissipation at 80°C** 1.400 Watts Max.

**Dielectric Withstanding Voltage** 1000 V RMS Min.

**Marking** DELEVAN; DC780; dash number with tolerance letter. Note: An R after DC780 indicates a RoHS component.

Example: DC780R-103K

DELEVAN  
DC780R  
103K

**Packaging** Bulk only

| SERIES DC780 |       |       |       |      |       |       |       |
|--------------|-------|-------|-------|------|-------|-------|-------|
| -102L        | 1.0   | ± 15% | 0.003 | 11.4 | 110.0 | 0.620 | 0.051 |
| -122L        | 1.2   | ± 15% | 0.003 | 11.4 | 108.0 | 0.620 | 0.051 |
| -152L        | 1.5   | ± 15% | 0.003 | 11.4 | 89.0  | 0.620 | 0.051 |
| -182L        | 1.8   | ± 15% | 0.003 | 11.4 | 81.0  | 0.620 | 0.051 |
| -222L        | 2.2   | ± 15% | 0.004 | 11.4 | 73.0  | 0.620 | 0.051 |
| -272L        | 2.7   | ± 15% | 0.005 | 11.4 | 66.0  | 0.620 | 0.051 |
| -332L        | 3.3   | ± 15% | 0.005 | 11.4 | 60.0  | 0.620 | 0.051 |
| -392L        | 3.9   | ± 15% | 0.005 | 11.4 | 55.0  | 0.620 | 0.051 |
| -472L        | 4.7   | ± 15% | 0.005 | 11.4 | 50.0  | 0.620 | 0.051 |
| -562L        | 5.6   | ± 15% | 0.006 | 11.4 | 46.0  | 0.620 | 0.051 |
| -682L        | 6.8   | ± 15% | 0.007 | 11.4 | 42.0  | 0.620 | 0.051 |
| -822L        | 8.2   | ± 15% | 0.007 | 11.4 | 38.0  | 0.620 | 0.051 |
| -103K        | 10.0  | ± 10% | 0.009 | 11.4 | 34.5  | 0.620 | 0.051 |
| -123K        | 12.0  | ± 10% | 0.009 | 11.4 | 31.5  | 0.620 | 0.051 |
| -153K        | 15.0  | ± 10% | 0.013 | 9.0  | 28.2  | 0.625 | 0.045 |
| -183K        | 18.0  | ± 10% | 0.018 | 7.2  | 25.7  | 0.630 | 0.045 |
| -223K        | 22.0  | ± 10% | 0.019 | 7.2  | 23.3  | 0.630 | 0.045 |
| -273K        | 27.0  | ± 10% | 0.026 | 5.5  | 21.0  | 0.546 | 0.040 |
| -333K        | 33.0  | ± 10% | 0.029 | 5.5  | 19.0  | 0.546 | 0.036 |
| -393K        | 39.0  | ± 10% | 0.030 | 5.5  | 17.5  | 0.594 | 0.036 |
| -473K        | 47.0  | ± 10% | 0.035 | 5.5  | 15.9  | 0.625 | 0.036 |
| -563K        | 56.0  | ± 10% | 0.039 | 5.5  | 14.6  | 0.625 | 0.036 |
| -683K        | 68.0  | ± 10% | 0.053 | 4.8  | 13.2  | 0.656 | 0.036 |
| -823K        | 82.0  | ± 10% | 0.060 | 4.8  | 12.1  | 0.656 | 0.036 |
| -104K        | 100   | ± 10% | 0.080 | 4.0  | 10.9  | 0.593 | 0.036 |
| -124K        | 120   | ± 10% | 0.090 | 4.0  | 10.0  | 0.593 | 0.036 |
| -154K        | 150   | ± 10% | 0.098 | 4.0  | 8.9   | 0.593 | 0.032 |
| -184K        | 180   | ± 10% | 0.110 | 4.0  | 8.1   | 0.593 | 0.032 |
| -224K        | 220   | ± 10% | 0.150 | 2.8  | 7.4   | 0.593 | 0.029 |
| -274K        | 270   | ± 10% | 0.213 | 2.0  | 6.6   | 0.562 | 0.025 |
| -334K        | 330   | ± 10% | 0.305 | 1.6  | 6.0   | 0.590 | 0.025 |
| -394K        | 390   | ± 10% | 0.320 | 1.6  | 5.5   | 0.590 | 0.025 |
| -474K        | 470   | ± 10% | 0.355 | 1.6  | 5.0   | 0.590 | 0.025 |
| -564K        | 560   | ± 10% | 0.388 | 1.6  | 4.6   | 0.590 | 0.023 |
| -684K        | 680   | ± 10% | 0.430 | 1.6  | 4.2   | 0.590 | 0.023 |
| -824K        | 820   | ± 10% | 0.590 | 1.3  | 3.8   | 0.590 | 0.023 |
| -105K        | 1,000 | ± 10% | 0.818 | 1.0  | 3.5   | 0.590 | 0.020 |
| -125K        | 1,200 | ± 10% | 1.140 | 0.8  | 3.2   | 0.590 | 0.018 |
| -155K        | 1,500 | ± 10% | 1.260 | 0.8  | 2.8   | 0.590 | 0.018 |
| -185K        | 1,800 | ± 10% | 1.390 | 0.8  | 2.6   | 0.590 | 0.018 |
| -225K        | 2,200 | ± 10% | 1.540 | 0.8  | 2.3   | 0.590 | 0.018 |

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

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