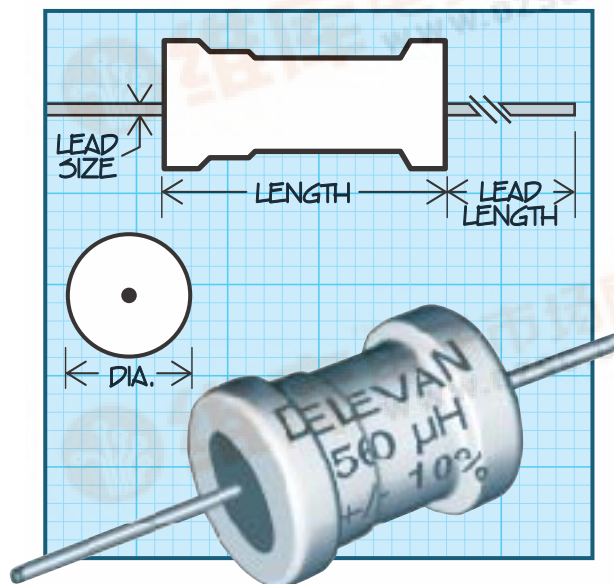


## Series 4590

查询 "4590-123K" 供应商

### High Current Filter Inductors



**Mechanical Configuration** Ferrite Bobbin protected with a flame retardant polyolefin sleeve.

#### Physical Parameters

|             | Inches        | Millimeters  |
|-------------|---------------|--------------|
| Length      | 0.900 Max.    | 22.86 Max.   |
| Diameter    | 0.455 Max     | 11.55 Max    |
| Lead Size   |               |              |
| AWG #20 TCW | 0.032 ± 0.002 | 0.813 ± 0.05 |
| Lead Length | 1.10 Min.     | 27.94 Min.   |

#### Operating Temperature

–55°C to +125°C

–55°C to +85°C @ full rated current

**Current Rating at 85°C Ambient** 40°C Rise

**Maximum Power Dissipation at 85°C** 0.70 W

**Dielectric Withstanding Voltage** 2500 V RMS

**Inductance Measurement** Inductance is measured @ 1KHz with 1 VAC open circuit and 0 dc bias.

**Inductance Tolerance** Tolerance is specified by suffixing an alpha character to the part number as follows: J = 5%, K = 10%, and L = 15%. Units are normally supplied to the tolerance indicated in table.

**Marking** Parts are printed with DELEVAN, Inductance Value and Tolerance.

**High Saturation Bobbin** allows for high inductance with low DCR.

**High Resistivity** Core offers very high parallel resistance, resulting in maximum coil performance.

**Packaging** Bulk only

PART NUMBER

NOMINAL  
INDUCTANCE  
(µH) ±10%

DC RESISTANCE  
MAXIMUM (OHMS)

CURRENT RATING  
MAXIMUM (AMPS)

INCREMENTAL  
CURRENT DC (AMPS)

#### SERIES 4590

|           |        |       |       |      |
|-----------|--------|-------|-------|------|
| 4590-392K | 3.9    | 0.007 | 9.75  | 8.2  |
| 4590-472K | 4.7    | 0.008 | 9.11  | 7.5  |
| 4590-562K | 5.6    | 0.011 | 7.77  | 6.9  |
| 4590-682K | 6.8    | 0.011 | 7.60  | 6.3  |
| 4590-822K | 8.2    | 0.013 | 7.15  | 5.7  |
| 4590-103K | 10.0   | 0.016 | 6.44  | 5.2  |
| 4590-123K | 12.0   | 0.018 | 6.07  | 4.7  |
| 4590-153K | 15.0   | 0.020 | 5.76  | 4.3  |
| 4590-183K | 18.0   | 0.022 | 5.49  | 3.9  |
| 4590-223K | 22.0   | 0.024 | 5.26  | 3.5  |
| 4590-273K | 27.0   | 0.025 | 5.15  | 3.2  |
| 4590-333K | 33.0   | 0.028 | 4.87  | 2.9  |
| 4590-393K | 39.0   | 0.031 | 4.63  | 2.7  |
| 4590-473K | 47.0   | 0.034 | 4.45  | 2.5  |
| 4590-563K | 56.0   | 0.043 | 3.93  | 2.3  |
| 4590-683K | 68.0   | 0.059 | 3.355 | 2.1  |
| 4590-823K | 82.0   | 0.066 | 3.175 | 1.9  |
| 4590-104K | 100    | 0.084 | 2.815 | 1.7  |
| 4590-124K | 120    | 0.113 | 2.43  | 1.6  |
| 4590-154K | 150    | 0.129 | 2.27  | 1.4  |
| 4590-184K | 180    | 0.150 | 2.105 | 1.3  |
| 4590-224K | 220    | 0.162 | 2.025 | 1.2  |
| 4590-274K | 270    | 0.226 | 1.715 | 1.1  |
| 4590-334K | 330    | 0.257 | 1.61  | 0.95 |
| 4590-394K | 390    | 0.288 | 1.52  | 0.88 |
| 4590-474K | 470    | 0.393 | 1.30  | 0.80 |
| 4590-564K | 560    | 0.504 | 1.15  | 0.74 |
| 4590-684K | 680    | 0.570 | 1.08  | 0.67 |
| 4590-824K | 820    | 0.643 | 1.015 | 0.61 |
| 4590-105K | 1000   | 0.844 | 0.89  | 0.56 |
| 4590-125K | 1200   | 0.977 | 0.825 | 0.51 |
| 4590-155K | 1500   | 1.18  | 0.75  | 0.46 |
| 4590-185K | 1800   | 1.50  | 0.665 | 0.42 |
| 4590-225K | 2200   | 1.76  | 0.615 | 0.38 |
| 4590-275K | 2700   | 2.13  | 0.56  | 0.34 |
| 4590-335K | 3300   | 2.53  | 0.51  | 0.31 |
| 4590-395K | 3900   | 2.84  | 0.48  | 0.29 |
| 4590-475K | 4700   | 3.79  | 0.415 | 0.26 |
| 4590-565K | 5600   | 4.24  | 0.395 | 0.24 |
| 4590-685K | 6800   | 5.75  | 0.34  | 0.22 |
| 4590-825K | 8200   | 6.44  | 0.32  | 0.20 |
| 4590-106K | 10000  | 7.30  | 0.30  | 0.18 |
| 4590-126K | 12000  | 9.34  | 0.265 | 0.17 |
| 4590-156K | 15000  | 10.7  | 0.25  | 0.15 |
| 4590-186K | 18000  | 14.8  | 0.21  | 0.14 |
| 4590-226K | 22000  | 18.0  | 0.19  | 0.12 |
| 4590-276K | 27000  | 22.7  | 0.17  | 0.11 |
| 4590-336K | 33000  | 25.7  | 0.16  | 0.10 |
| 4590-396K | 39000  | 29.7  | 0.15  | 0.09 |
| 4590-476K | 47000  | 33.7  | 0.14  | 0.09 |
| 4590-566K | 56000  | 38.0  | 0.13  | 0.08 |
| 4590-686K | 68000  | 52.8  | 0.11  | 0.07 |
| 4590-826K | 82000  | 67.3  | 0.10  | 0.07 |
| 4590-107K | 100000 | 76.0  | 0.09  | 0.06 |

Optional Tolerances: J = 5% L = 15%

**Incremental Current** is the current which will decrease the inductance by approximately 5%.

POWER INDUCTORS

