High Current Filter Inductors

Actual Size (Max.)

Physical Parameters

<table>
<thead>
<tr>
<th>Diameter</th>
<th>AWG #20 TCGW</th>
<th>Length</th>
<th>Lead Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.455 Max.</td>
<td>0.032 ± 0.002</td>
<td>1.10 Min.</td>
<td>0.813 ± 0.05</td>
</tr>
</tbody>
</table>

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

Incremental Current

The current which will decrease the inductance by approximately 5%.

Inductance Measurement

Inductance is measured @ 1 kHz 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.

High Saturation Bobbin

Allows for high inductance with low DCR.

High Resistivity

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

4590 Marking

DELEVAN; inductance; tolerance.

4590R Marking

DELEVAN; 4590R; dash number with tolerance letter.

Example: 4590-393K

DELEVAN
39 uH
±10%

Example: 4590R-393K

DELEVAN
4590R
393K

Packaging

Bulk only

**Optional Tolerances:** J = 5% L = 15%