F5600 RFI Filters

Features:

- Suited for FCC “B” and VDE “A” Switching Power Supply Applications
- High Inductance, Multi-Stage Design with High Common Mode and Differential Mode Insertion Loss for Switching Power Supply Emissions
- >70dB Insertion Loss from 200KHz to 1GHz
- Compact, Space-Efficient Package Available in 3 and 6Amp Ratings

Specifications:

- Rated Voltage: 250VAC Maximum - 50/60 Hz
- Rated Current: 115VAC 250VAC
  3A 1.5A
  6A 4A
- Current Overload: 6X for 8 seconds
- Hi-Pot Test (1 min):
  Line to Ground 1400VDC
  Line to Line 1450VDC
- Insulation Resistance: $9 \times 10^9$ Ø at 100VDC
- Ambient Temperature: 40°C Max at rated current
- Humidity Range: 0% to 95% R.H.
- Termination:
  C: IEC Receptacle
  F: Fused IEC Receptacle
  G: Wire Wrap/Solder
- Termination: Quick Connect
- Maximum Leakage Current:
  Each Line to Ground F5600
  115VAC, 60Hz: 0.50mA
  250VAC, 60Hz: 1.20mA

Agency Approvals:

F5600 Simplified Schematic

F5600 SERIES

TYPICAL COMMON MODE INSERTION LOSS — dB
(50 OHM CIRCUIT)

<table>
<thead>
<tr>
<th>Nominal Current Rating</th>
<th>Part Number</th>
<th>Termination Line/Load</th>
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</thead>
<tbody>
<tr>
<td>3A</td>
<td>F5600CG03</td>
<td>IEC/Solder Tab</td>
</tr>
<tr>
<td></td>
<td>F5600FG03</td>
<td>Fused IEC/ Solder Tab</td>
</tr>
<tr>
<td>6A</td>
<td>F5600CG06</td>
<td>IEC/Solder Tab</td>
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<tr>
<td></td>
<td>F5600FG06</td>
<td>Fused IEC/ Solder Tab</td>
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</tbody>
</table>
**F5600CG (3 and 6Amp) Dimensions**

Refer to Page 40 for Standard Mounting Cutouts

**F5601CG (3 and 6Amp) Dimensions with attached mounting plate**

Refer to Page 41 for Standard Mounting Cutouts

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.
How to Order

The Curtis part numbering system is made up of four elements. Each element denotes a specific requirement (mechanical or electrical) which, when properly sequenced, fully identifies the required catalog filter. As shown, the first five alpha/numeric characters denote the series type; the sixth character (alpha) denotes the type of line termination; the seventh character (alpha) denotes the type of load termination; the last two characters (numeric) denote the current rating.

Compose your part number as follows: Select the series required, add two alpha character for the line and load termination, followed by two numeric characters for the required current rating. For example, F1100AB06 completely identifies an F1100 series filter with quick connects on line side and wire leads on load side, with a 6-amp rating.
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

NOTE: Tolerance for all dimensions unless otherwise specified: .XXX three place ± .004, .XX two place ± 0.10