F5200 RFI Filters

Ideal for Linear Power Supplies in Digital Equipment

Features:
• General Purpose Filter with Extended High-Frequency Insertion Loss Characteristics
• Effective Suppression of Incoming Common Mode and Differential Mode Noise
• Low-Profile Package with Integral IEC Connector
• 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: $9 \times 10^9 \, \Omega$ at 100VDC
Ambient Temperature: 40°C Max. at rated current
Humidity Range: 0% to 95% R.H.
Termination:
F: Fused IEC Receptacle
G: Wire Wrap/Solder
Maximum Leakage Current:
Each Line to Ground
115VAC, 60Hz: 0.25mA
250VAC, 60Hz: 0.50mA

Agency Approvals:

<table>
<thead>
<tr>
<th>Nominal Current Rating</th>
<th>Part Number</th>
<th>Termination/Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A</td>
<td>F5200FG03</td>
<td>Fused IEC/Solder Tab</td>
</tr>
<tr>
<td>6A</td>
<td>F5200FG06</td>
<td>Fused IEC/Solder Tab</td>
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</tbody>
</table>

F5200 Simplified Schematic

F5200 SERIES
TYPICAL COMMON MODE INSERTION LOSS — dB
(50 OHM CIRCUIT)

Specifications subject to change. Dimensions are shown for reference purposes only.
F5200FG (3 and 6Amp) Dimensions

Refer to Page 41 for Standard Mounting Cutouts

F5201FG (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.
### SINGLE PHASE FILTERS

#### F5100 SERIES
- Dimensions: 1.575 (40.11) x 1.20 (30.48) inches
- Holes: 2
- Diameter: 0.140 (3.56)

#### F5101 SERIES
- Dimensions: 1.575 (40.06) x 2.35 (59.69) inches
- Holes: 6
- Diameter: 0.12 R. (3.05) (Typ.)

#### F5200 SERIES
- Dimensions: 1.420 (36.06) ± 0.004 x 1.417 (36.0) ± 0.004 inches
- Diameter: 0.156 R. (3.96) (Typ.)

#### F5201 SERIES
- Dimensions: 2.350 (59.69) x 1.400 (35.56) inches
- Holes: 6
- Diameter: 0.156 R. (3.96) (Typ.)

#### F5501/5601/5701 SERIES
- Dimensions: 2.000 (50.8) x 2.000 (50.8) inches
- Holes: 6
- Diameter: 0.12 R. (3.05) (Typ.)

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

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