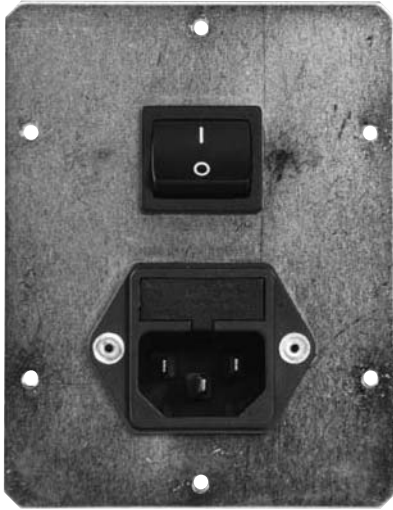


# F5900 RFI Filters

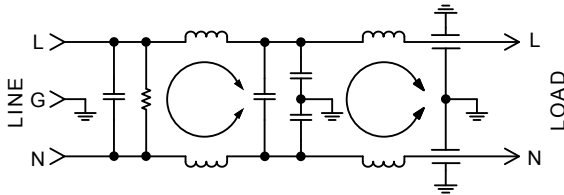
Wide Band



## Features:

- High Performance Filter Designed for Switching Power Supply Emissions
- >70dB Insertion Loss from 200KHz to 1GHz
- Integral Power Switch and 5 x 20mm Fuse Holder
- Available in 3 and 6Amp Versions with Optional Mounting Faceplates

## F5900 Simplified Schematic without Switch



## 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	1500VDC
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:**

- C: IEC Receptacle
- F: Fused IEC
- G: Wire Wrap/Solder
- J: Switched IEC

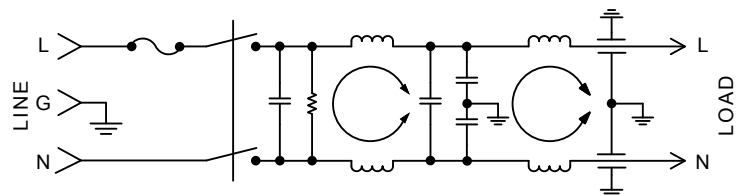
**Maximum Leakage Current:**

Each Line to Ground	<b>F5900</b>
115VAC, 60Hz:	0.50mA
250VAC, 60Hz:	1.20mA

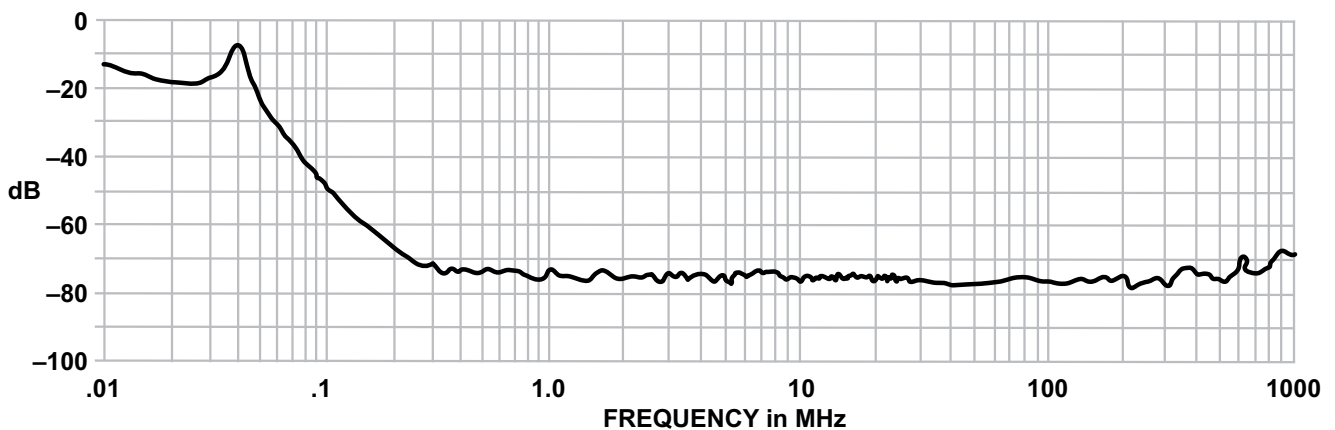
**Agency Approvals:**



## F5900 Simplified Schematic with Switch



**F5900 SERIES  
TYPICAL COMMON MODE  
INSERTION LOSS — dB  
(50 OHM CIRCUIT)**

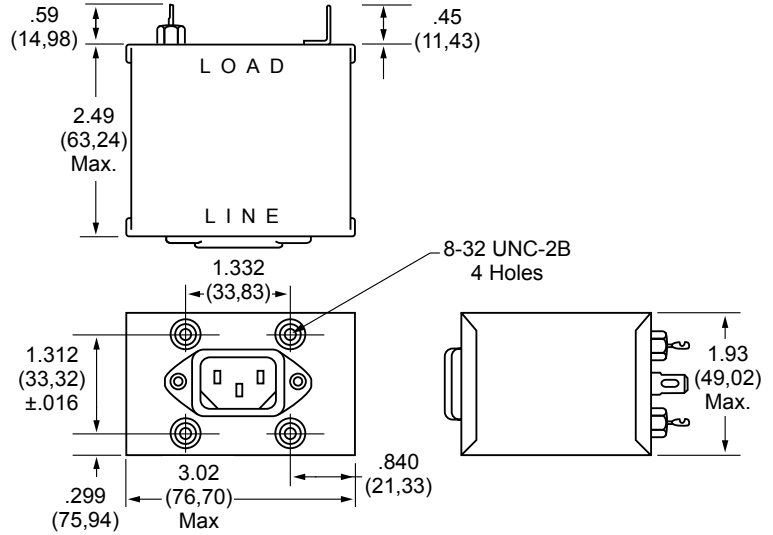


SINGLE PHASE FILTERS



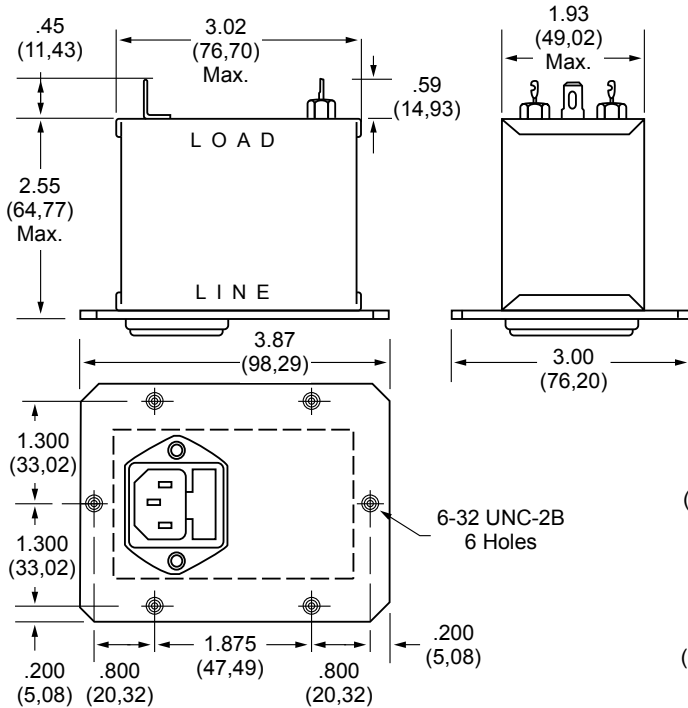
**F5900CG**  
(3 and 6Amp)  
Dimensions

Refer to Page 42  
for Standard  
Mounting Cutouts



**F5900FG** (3 and 6Amp) Dimensions

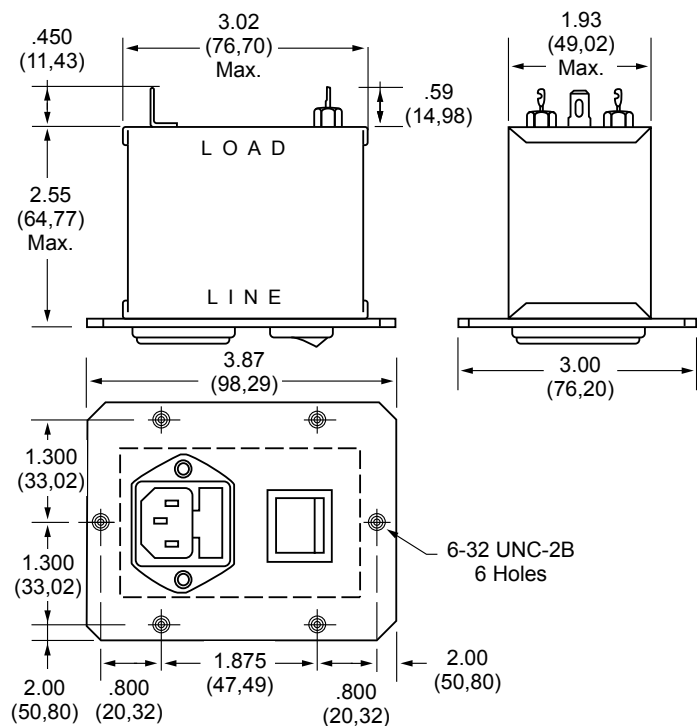
Refer to Page 42 for Standard Mounting Cutouts



Nominal Current Rating	Part Number	Termination Line/Load
3A	F5900CG03	IEC/Solder Tab
	F5900FG03	Fused IEC/Solder Tab
	F5900JG03	Switched IEC/Solder Tab
6A	F5900CG06	IEC/Solder Tab
	F5900FG06	Fused IEC/Solder Tab
	F5900JG06	Switched IEC/Solder Tab

**F5900JG**  
(3 and 6Amp)  
Dimensions

Refer to Page 42  
for Standard  
Mounting Cutouts



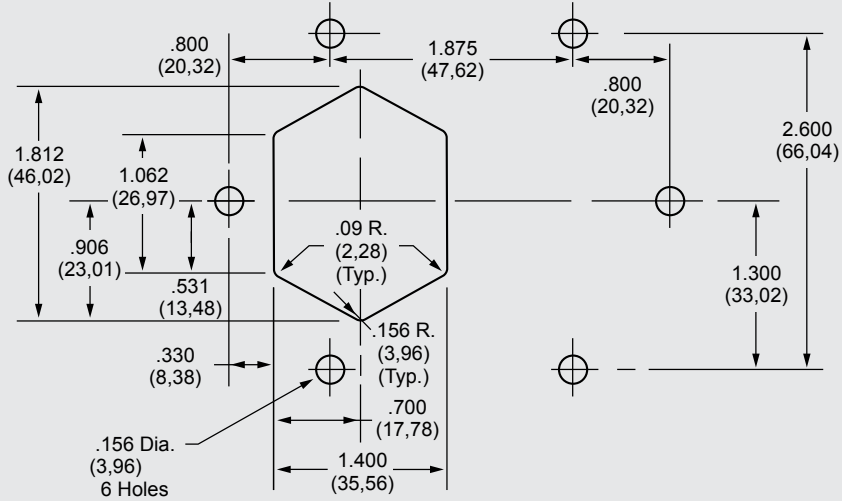
Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.



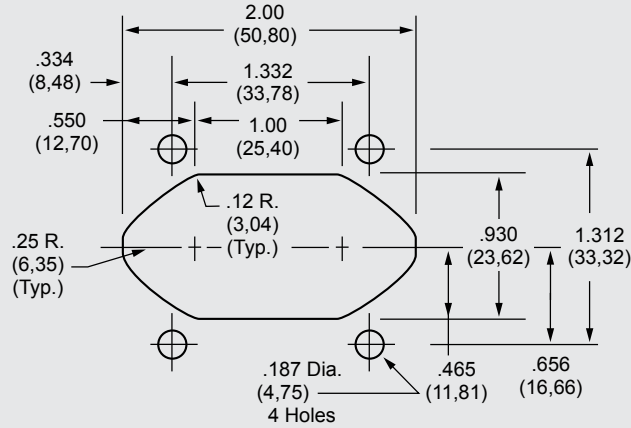
# Standard Mounting Cutouts

SINGLE PHASE FILTERS

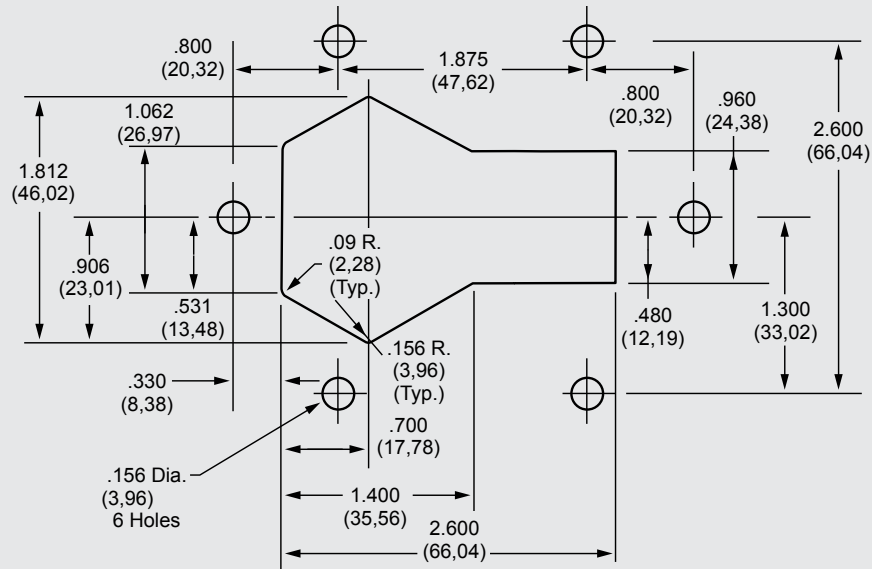
## F5900FG



## F5900CG



## F5900JG



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

