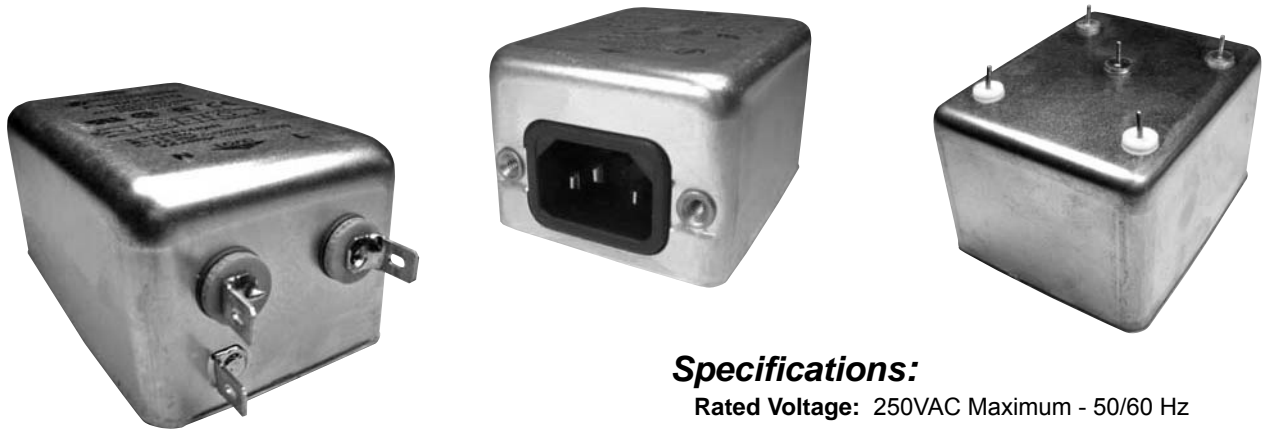


# F1600 RFI Filters

High Performance

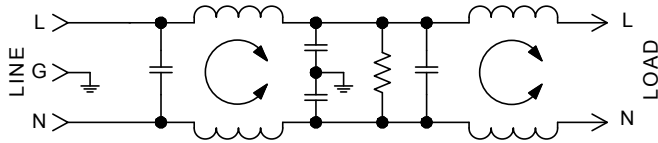
SINGLE PHASE FILTERS



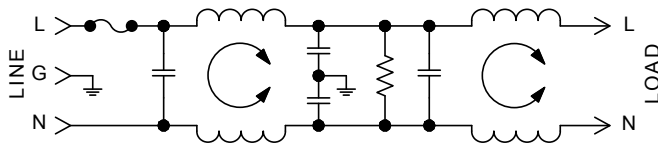
## Features:

- T Section, Dual Coil Design – High Insertion Loss for Switching Power Supply Emissions
- Low-Leakage Current Design
- Space-Efficient with Integral IEC Connector and Compact Case in Current Ratings up to 10Amps
- Available in Fused IEC Connector and PC Mounted Versions

## F1600CX Simplified Schematic



## F1600FA Simplified Schematic



## Specifications:

**Rated Voltage:** 250VAC Maximum - 50/60 Hz

<b>Rated Current:</b>	115VAC	250VAC
	3A	1.5A
	6A	3A
	10A	6A

**Current Overload:** 6X for 8 seconds

### Hi-Pot Test (1 min):

Line to Ground	1500VAC
Line to Line	1768VDC

**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:

- A: QC – Quick Connect
- B: Wire
- C: IEC Receptacle
- P: PC – P.C. Board

### Maximum Leakage Current:

Each Line to Ground	<b>F1600</b>
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

### Agency Approvals:

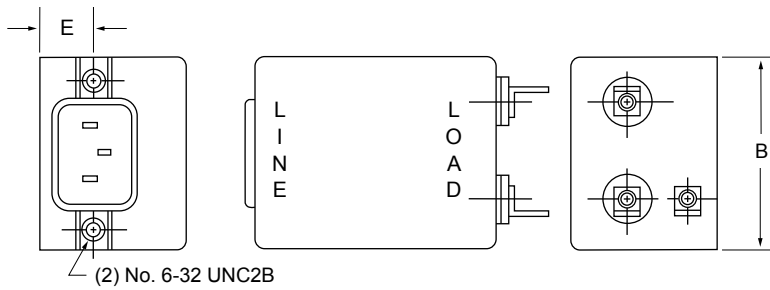


Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
3A	F1600CA03 F1600CP03 F1600FA03 F1600CB03	IEC/QC IEC/PC Fused IEC/QC IEC/Wire	Common	52	65	65	65	65	65
			Differential	40	50	60	65	65	50
6A	F1600CA06 F1600CP06 F1600FA06 F1600CB06	IEC/QC IEC/PC Fused IEC/QC IEC/Wire	Common	45	65	65	65	65	59
			Differential	30	45	55	50	50	50
10A	F1600CA10 F1600CB10	IEC/QC IEC/Wire	Common	50	65	65	65	65	54
			Differential	23	45	55	50	50	50

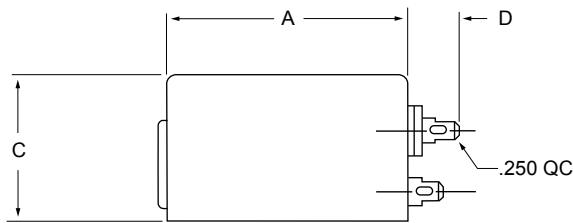
NOTE: Other combinations of terminals may be specified on special order.



**F1600CA** (3, 6 and 10Amp) Dimensions **F1600CB** (3, 6 and 10Amp) Dimensions



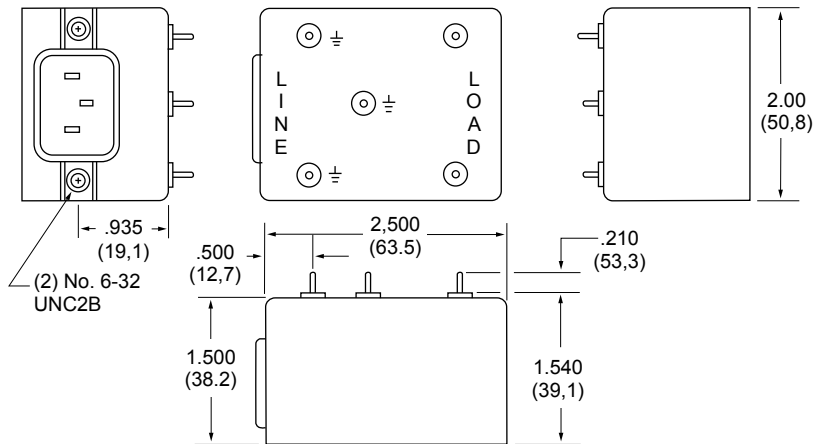
Refer to Page 40  
for Standard  
Mounting Cutouts



Amps	A	B	C	D	E
3A	2.500 (63,5)	2.000 (50,8)	1.500 (38,2)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,2)	.550 (14,0)	.565 (14,3)
10A	3.750 (95,2)	2.250 (57,2)	1.750 (44,5)	.550 (14,0)	.640 (16,3)

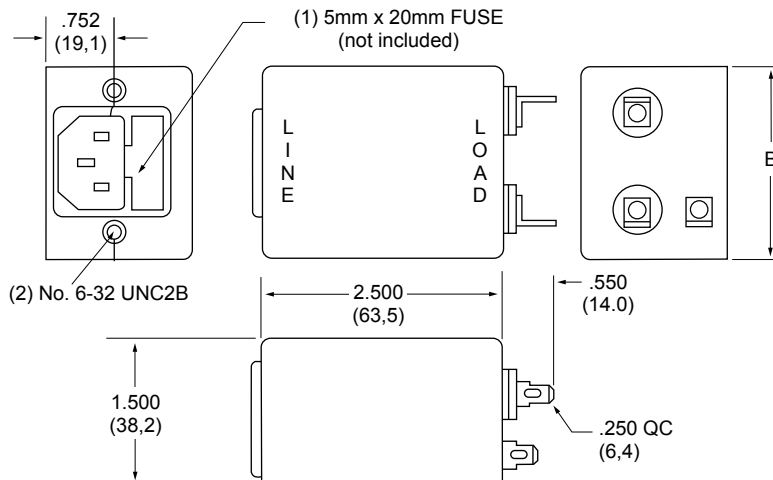
**F1600CP**  
(3 and 6Amp)  
Dimensions

Refer to Page 40  
for Standard  
Mounting Cutouts



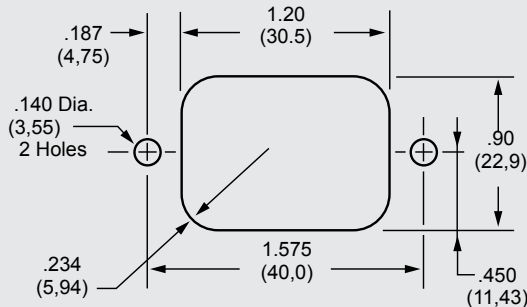
**F1600FA**  
(3 and 6Amp)  
Dimensions

Refer to Page 40  
for Standard  
Mounting Cutouts

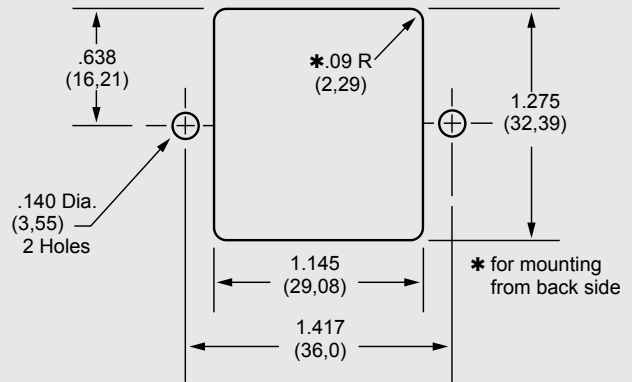


# Standard Mounting Cutouts

## F1200CA, F1300CA, F1400CA, F1500CA, F1600CA, F1700CA



## F1500FA, F1600FA,



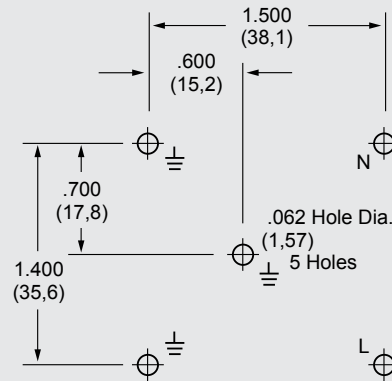
### How to Order

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.

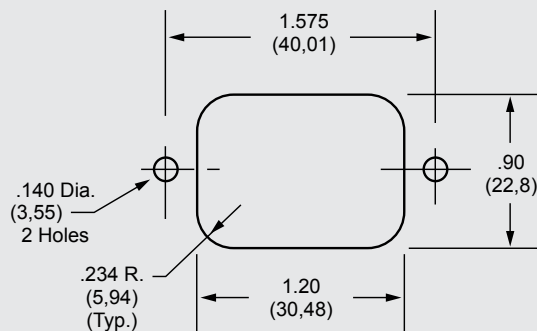
Compose your part number as follows: Select the series required, add two alpha character for the line and load termination, followed by two numeric characters for the required current rating. For example, F1100AB06 completely identifies an F1100 series filter with quick connects on line side and wire leads on load side, with a 6-amp rating.

SINGLE PHASE FILTERS

## F1300CP, F1600CP



## F5500/5600/5700 SERIES



F1100	X	X	X
SERIES	LINE TERMINATION	LOAD TERMINATION	CURRENT RATING
PE = Power Entry PM = Medical Power Entry	A = Quick Connects B = Wire Leads C = IEC Connector D = Screw Terminals (20 & 30 amp only) F = Fused IEC P = Printed Circuit Pins W = Dual Fused IEC J = Switched IEC	A = Quick Connects B = Wire Leads D = Screw Terminals (20 & 30 amp only) P = Printed Circuit Pins S = Solder Tab	01 = 1 Amp 03 = 3 Amps 06 = 6 Amps 10 = 10 Amps 15 = 15 Amps 20 = 20 Amps 30 = 30 Amps

