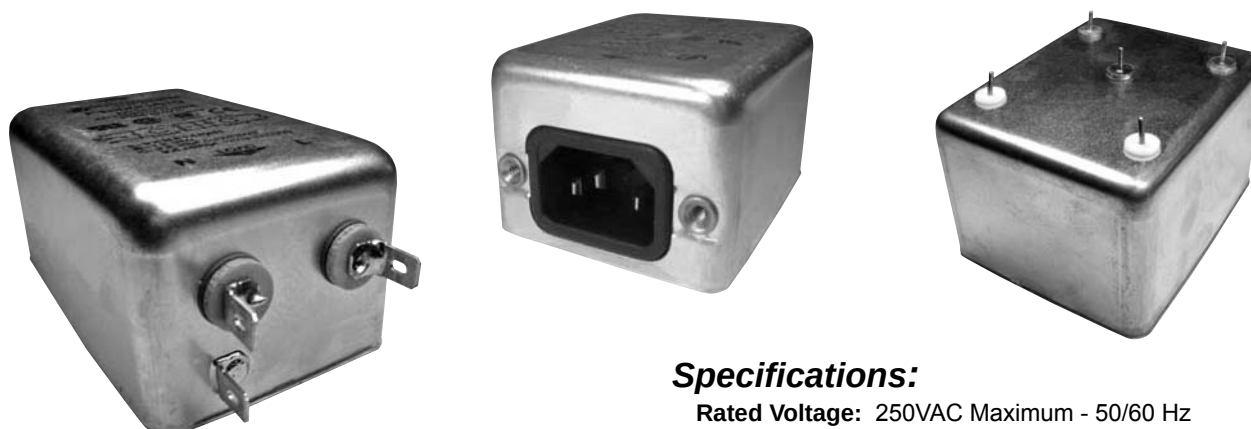


F1600 RFI Filters

High Performance

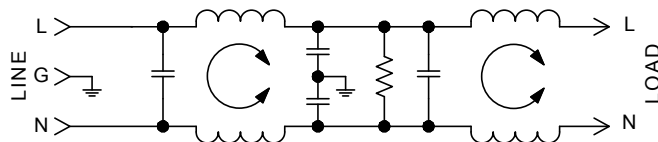
SINGLE PHASE FILTERS



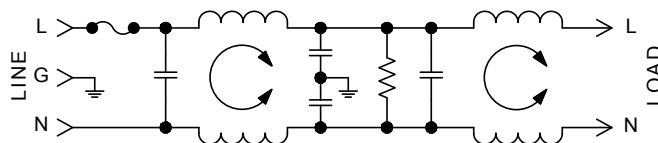
Features:

- 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

Rated Current:

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	F1600
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

Agency Approvals:

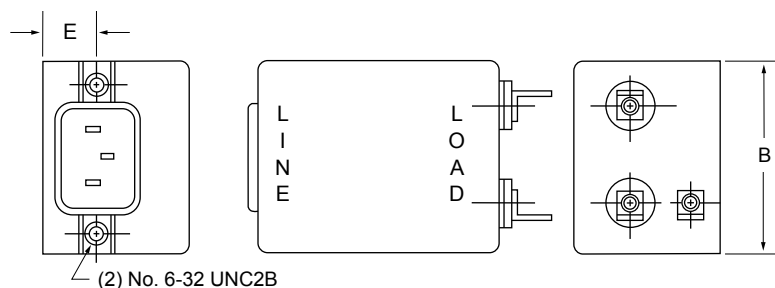


Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
3A	F1600CA03 F1600CP03 F1600FA03 F1600CB03	IEC/QC IEC/PC Fused IEC/QC IEC/Wire	Common	52	65	65	65	65	65
			Differential	40	50	60	65	65	50
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

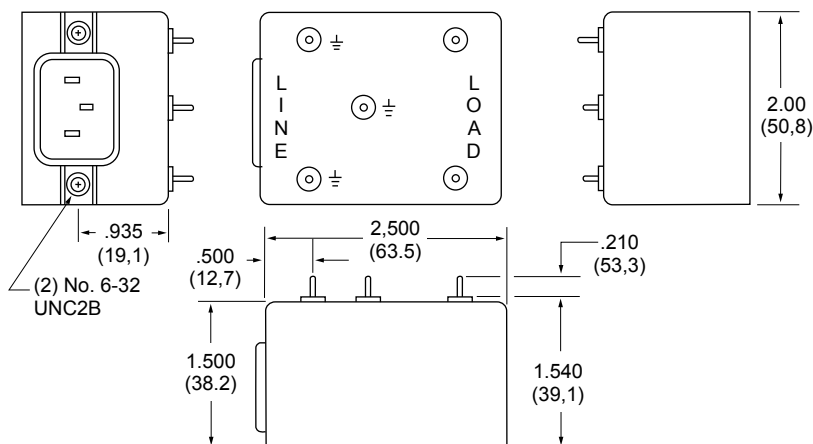


Refer to Page 40
for Standard
Mounting Cutouts

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)

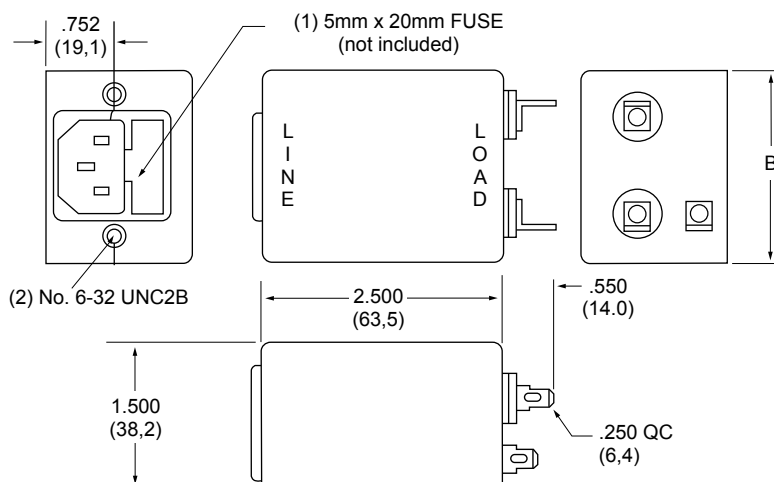
F1600CP (3 and 6Amp) Dimensions

Refer to Page 40
for Standard
Mounting Cutouts



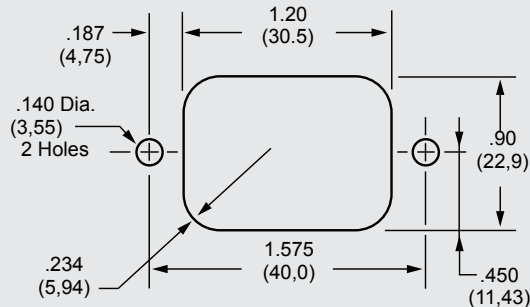
F1600FA (3 and 6Amp) Dimensions

Refer to Page 40
for Standard
Mounting Cutouts

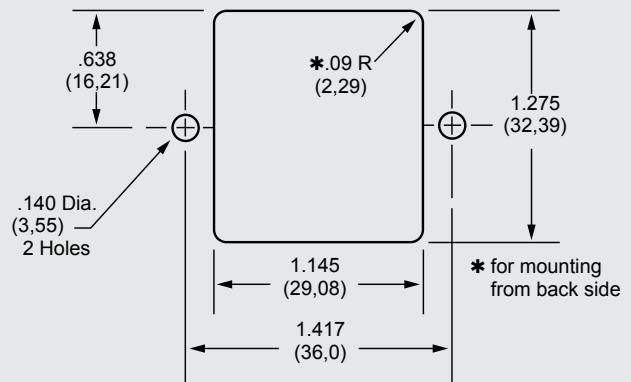


Standard Mounting Cutouts

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.

F1100

X

X

X

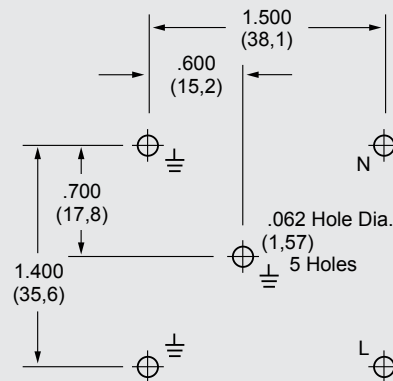
SERIES
PE = Power Entry
PM = Medical
Power Entry

LINE TERMINATION
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

LOAD TERMINATION
A = Quick Connects
B = Wire Leads
D = Screw Terminals
(20 & 30 amp only)
P = Printed Circuit Pins
S = Solder Tab

CURRENT RATING
01 = 1 Amp
03 = 3 Amps
06 = 6 Amps
10 = 10 Amps
15 = 15 Amps
20 = 20 Amps
30 = 30 Amps

F1300CP, F1600CP



F5500/5600/5700 SERIES

