

# F1400 RFI Filters

High Performance

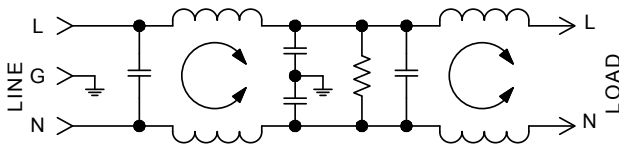
SINGLE PHASE FILTERS



## Features:

- High Peak Current Design — High Insertion Loss for Switching Power Supply Emissions
- Low-Leakage Current
- Compact Case Sizes in 6 and 10Amp Models
- Available with Integral IEC Connector in 3 and 6Amp Models

## F1400 Simplified Schematic



## Specifications:

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

**Rated Current:**

115VAC	250VAC
3A	1.5A
6A	4A
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

### Maximum Leakage Current:

Each Line to Ground	F1400
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

### Agency Approvals:

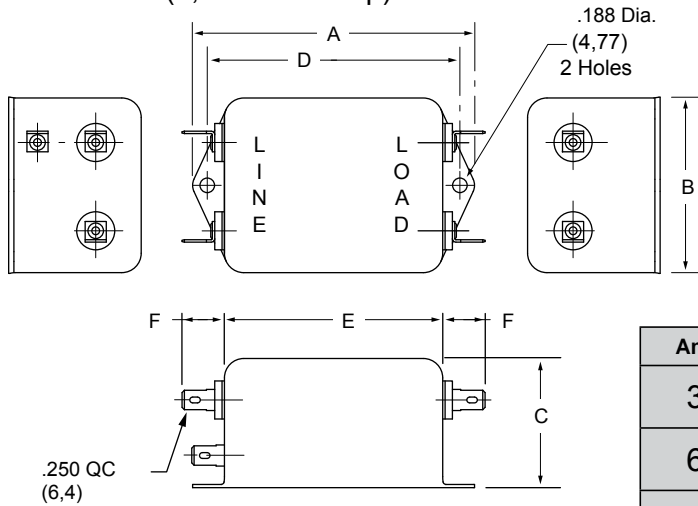


Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
3A	F1400AA03	QC/QC Wire/Wire IEC/QC	Common Differential	58	65	65	65	60	44
	F1400BB03			40	60	65	65	65	60
	F1400CA03								
6A	F1400AA06	QC/QC Wire/Wire IEC/QC	Common Differential	58	65	65	65	60	54
	F1400BB06			36	55	60	60	55	50
	F1400CA06								
10A	F1400AA10	QC/QC Wire/Wire	Common Differential	56	65	65	65	60	54
	F1400BB10			40	50	60	65	65	60

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



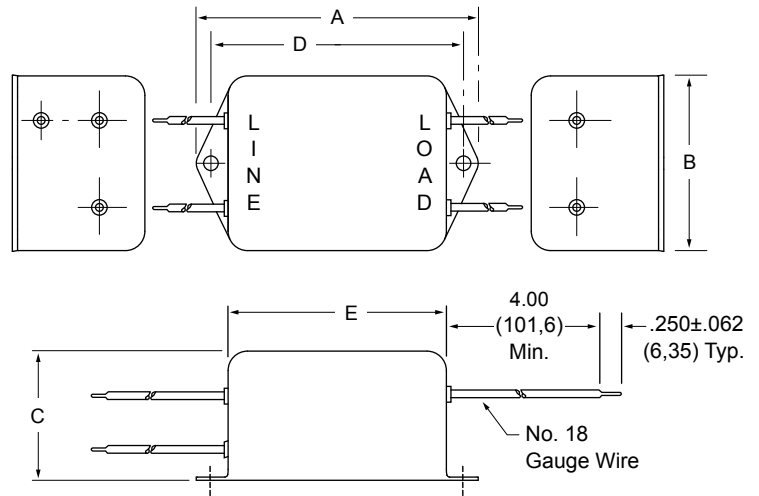
### F1400AA (3, 6 and 10Amp) Dimensions



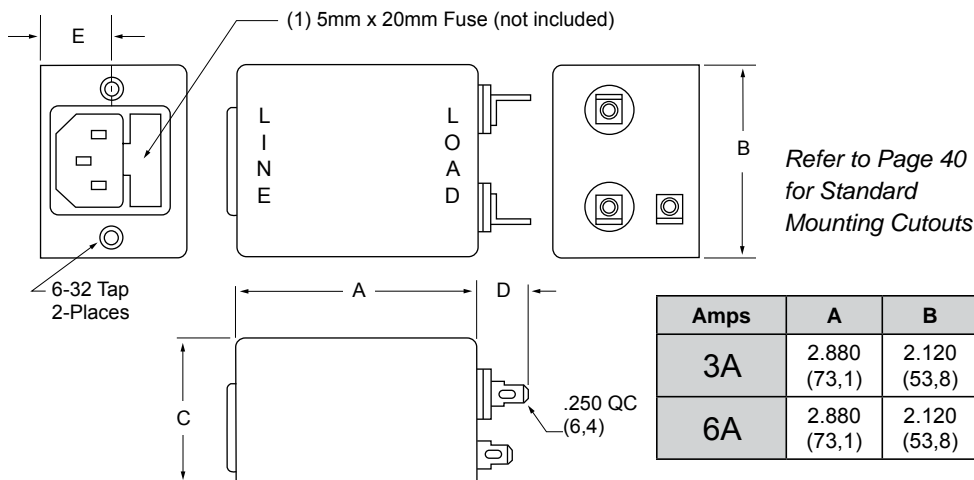
Amps	A	B	C	D	E	F
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	4.70 (119,4)	2.250 (57,1)	1.750 (44,4)	4.250 (107,9)	3.750 (95,3)	.550 (14,0)

### F1400BB (3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
10A	4.70 (119,4)	2.250 (57,1)	1.750 (44,4)	4.250 (107,9)	3.750 (95,3)



### F1400CA (3 and 6Amp) Dimensions

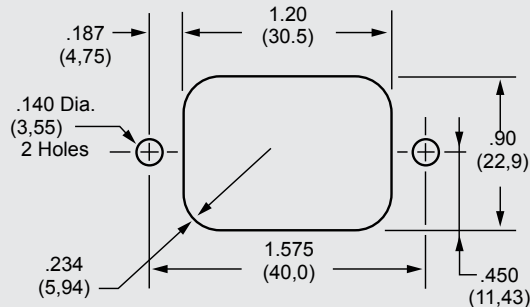


Amps	A	B	C	D	E
3A	2.880 (73,1)	2.120 (53,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.880 (73,1)	2.120 (53,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)

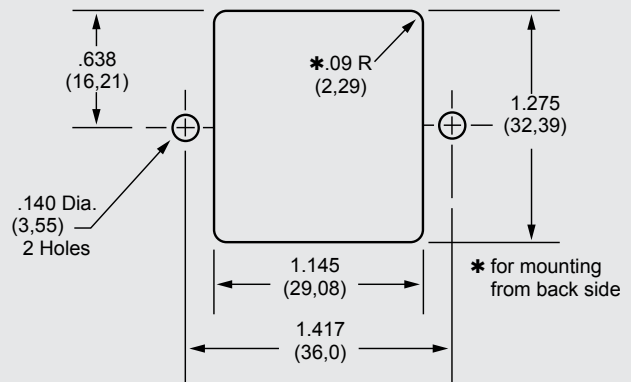


# Standard Mounting Cutouts

## 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

## F5500/5600/5700 SERIES

