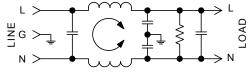
F1500 RFI Filters



 IEC Connector Plus Common and Differential Mode Performance in Compact Case

- "L" Circuit Configuration Cost-Effective in Many Linear and Switching Power Supply Applications
- · High-Inductance Design for Greater Attenuation
- Available with 0.250" Quick Connect Terminals or Wire Leads on the Load Side

F1500AX/F1500CX Simplified Schematic



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz
Rated Current: 115VAC 250VAC
3A 1.5A

6A 3A 10A 6A 15A 8A

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 100VDCAmbient Temperature: $40^{\circ}C$ Max. at rated current

Humidity Range: 0% to 95% R.H.

Termination:

A: QC - Quick Connect

B: Wire

C: IEC Receptacle

F: IEC Receptacle with Fuse Holder

Maximum Leakage Current:

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

Agency Approvals:



Except Quick

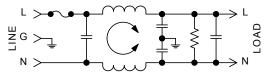
Connect Termination on Line Input







F1500FX Simplified Schematic



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	F1500AA03 F1500CA03 F1500FA03 F1500CB03	QC/QC IEC/QC Fused IEC/QC QC/Wire	Common Differential	32 35	43 60	50 65	50 60	50 55	50 40
6A	F1500AA06 F1500CA06 F1500FA06 F1500CB06	IEC/QC Fused IEC/QC QC/Wire	Common Differential	32 30	42 60	45 65	45 65	45 60	45 50
10A	F1500AA10 F1500CA10 F1500FA10 F1500CB10	QC/QC IEC/QC Fused IEC/QC	Common Differential	29 15	36 50	39 65	45 65	45 60	45 50
15A	F1500CA15 F1500CB15	IEC/QC IEC/Wire	Common Differential	26 35	32 60	36 65	44 65	46 65	52 65

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

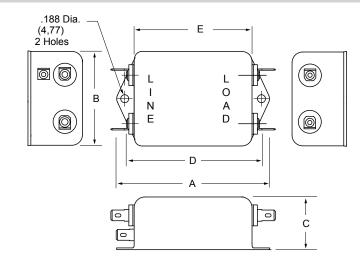




F1500AA (3 and 10Amp) Dimensions

Refer to Page 40 for Standard Mounting Cutouts

Amps	Α	В	С	D	E
3A	3.31	2.000	1.13	2.938	2.50
	(84,1)	(50,8)	(28,7)	(74,6)	(63,5)
10A	3.31	2.000	1.50	2.938	2.50
	(84,1)	(50,8)	(38,1)	(74,6)	(63,5)



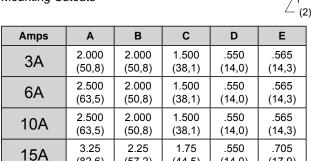
F1500CA

(3, 6, 10 and 15Amp) Dimensions

F1500CB

(3, 6, 10 and 15Amp) Dimensions

Refer to Page 40 for Standard Mounting Cutouts

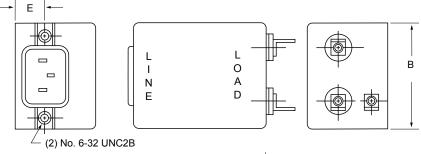


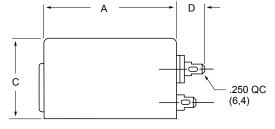
(44,5)

(14,0)

(17,9)

(57,2)





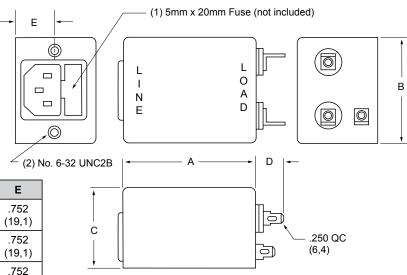
F1500FA

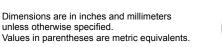
(3, 6 and 10Amp) Dimensions

(82,6)

Refer to Page 40 for Standard Mounting Cutouts

Amps	Α	В	С	D	E	
3A	2.000	2.000	1.500	.550	.752	
	(50,8)	(50,8)	(38,1)	(14,0)	(19,1)	
6A	2.500	2.000	1.500	.550	.752	
	(63,5)	(50,8)	(38,1)	(14,0)	(19,1)	
10A	2.500	2.000	1.500	.550	.752	
	(63,5)	(50,8)	(38,1)	(14,0)	(19,1)	







Standard Mounting Cutouts

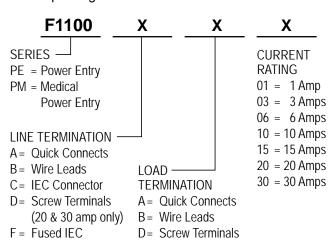
(11,43)

F1200CA, F1300CA, F1400CA, F1500CA, F1600CA, F1700CA 1.20 .187 -(30.5) (4,75).140 Dia. (3,55)90 2 Holes Œ (22,9)1.575 .234 (40,0).450 (5,94)

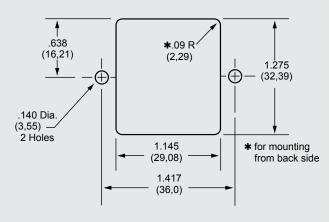
How to Order

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.

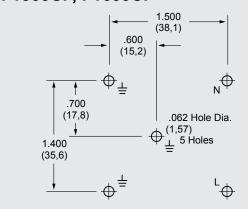
Compose your part number as follows: Select the series required, add two alpha character for the line and load termination, followed by two numeric characters for the required current rating. For example, F1100AB06 completely identifies an F1100 series filter with quick connects on line side and wire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



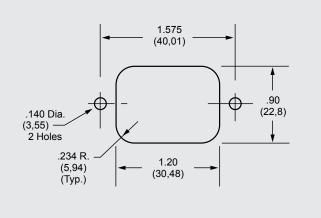
F1500FA, F1600FA,



F1300CP, F1600CP



F5500/5600/5700 SERIES





(20 & 30 amp only)

P = Printed Circuit Pins

S = Solder Tab



P = Printed Circuit Pins

W= Dual Fused IEC

J = Switched IEC