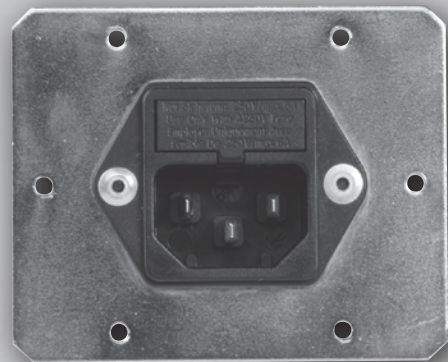
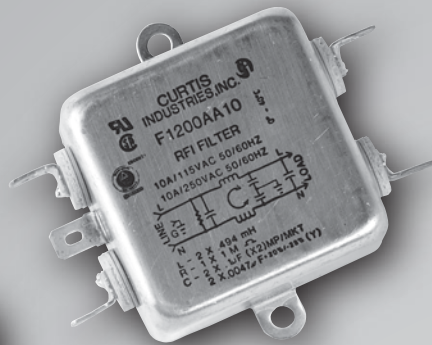
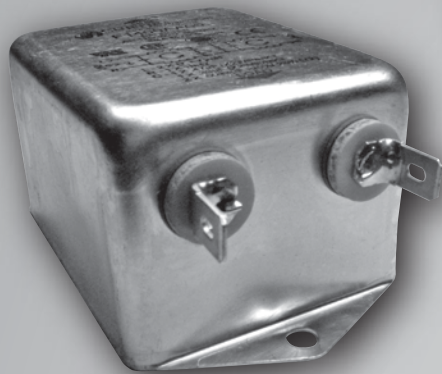


SINGLE PHASE FILTERS]

General Performance

High Performance

Wide Band

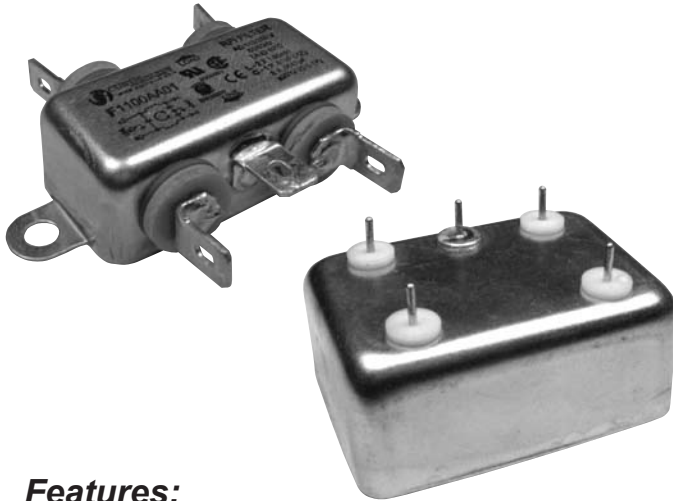


Curtis Industries
A Division of Powers Holdings, Inc.

F1100/F1150 RFI Filters

General Purpose

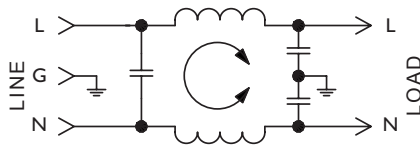
SINGLE PHASE FILTERS



Features:

- Most Economical Design
- Designed for General Purpose, Common Mode Applications
- Available in Standard (F1100) and Low-Leakage (F1150) (F1160) (F1170) (F1180) (F1190) Models

F1100/F1150 Simplified Schematic



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:	115VAC	250VAC
	1A	1A
	3A	2.5A
	6A	4A
	10A	6A
	20A	10A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):	F1100 Series
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

Maximum Leakage Current:

Each Line to Ground	F1100	F1150
115VAC, 60Hz:	0.40mA	0.25mA
250VAC, 50Hz:	.75mA	0.40mA

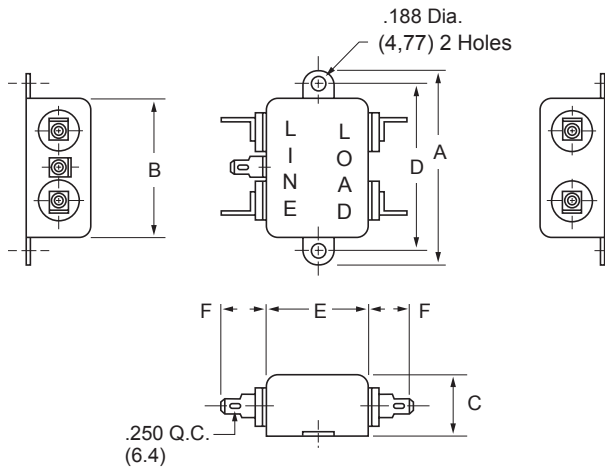
Agency Approvals:



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
1A	F1100AA01	QC/QC	Common	20	35	43	52	55	50
	F1100BB01	Wire/Wire	Differential				55	65	50
	F1150AA01	QC/QC	Common	20	30	37	50	50	50
	F1150BB01	Wire/Wire	Differential				55	65	50
3A	F1100AA03	QC/QC	Common	20	35	43	52	55	50
	F1100BB03	Wire/Wire	Differential				55	64	46
	F1100PP03	PC/PC							
	F1150AA03	QC/QC	Common	20	30	37	50	50	50
	F1150BB03	Wire/Wire	Differential				55	64	46
6A	F1100AA06	QC/QC	Common	10	22	30	46	50	45
	F1100BB06	Wire/Wire	Differential		2	5	51	57	49
	F1150AA06	QC/QC	Common	10	20	27	45	45	45
	F1150BB06	Wire/Wire	Differential		2	5	51	57	49
10A	F1100AA10	QC/QC	Common	10	22	30	46	50	45
	F1100BB10	Wire/Wire	Differential			2	27	47	50
	F1150AA10	QC/QC	Common	10	20	27	45	45	45
	F1150BB10	Wire/Wire	Differential			2	27	47	50
20A	F1100AA20	QC/QC	Common	8	18	22	36	42	45
	F1100DD20	Screw/Screw	Differential			5	22	46	60
	F1150AA20	QC/QC	Common	8	15	20	32	38	45
	F1150DD20	Screw/Screw	Differential			5	22	46	60

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

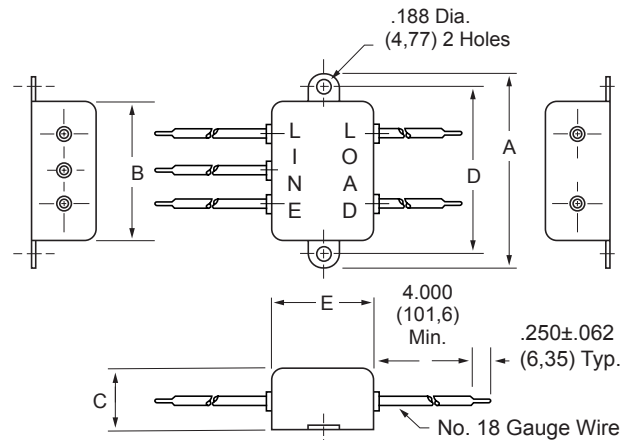
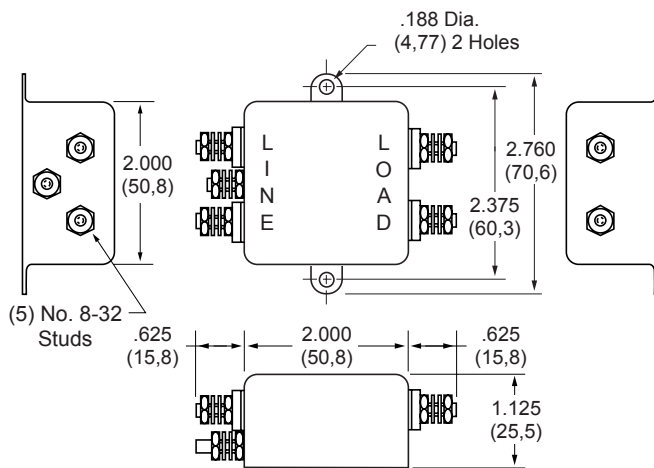
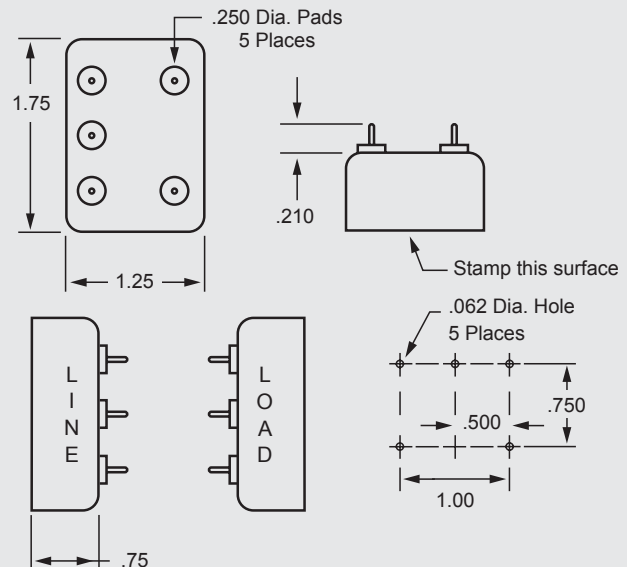


F1100AA/F1150AA (1, 3, 6, 10 and 20Amp) Dimensions

Amps	A	B	C	D	E	F
1A	2.500 (63,5)	1.750 (44,5)	.625 (15,8)	2.125 (53,9)	.875 (22,2)	.550 (14,0)
3A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)	.550 (14,0)
6A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)	.550 (14,0)
10A	2.500 (63,5)	1.750 (44,5)	1.125 (28,5)	2.125 (53,9)	1.250 (31,8)	.550 (14,0)
20A	2.760 (70,6)	2.000 (60,8)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)

F1100BB/FB1150BB (1, 3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
1A	2.500 (63,5)	1.750 (44,5)	.625 (15,8)	2.125 (53,9)	.875 (22,2)
3A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)
6A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)
10A	2.500 (63,5)	1.750 (44,5)	1.125 (28,5)	2.125 (53,9)	1.250 (31,8)

**F1100DD/F1150DD (20Amp Only) Dimensions****F1100PP Recommended PC Mounting**

F1200 RFI Filters

Features:

- Designed for General Purpose Common Mode and Differential Mode Applications
- Higher Line-to-Line Capacitance for Protection from Pulsed, Intermittent, or Continuous RFI
- Available in Standard (F1200) and Low-Leakage (F1250) (F1260) (F1270) (F1280) (F1290) Models
- Available with Integral IEC Connector up to 10Amps



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:

115VAC	1A	3A	6A	10A	20A	30A
250VAC	1A	2.5A	4A	6A	10A	15A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min): F1200 Series

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	C: IEC Receptacle
B: Wire	D: Screw

Maximum Leakage Current:

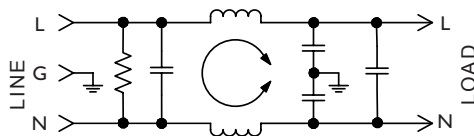
Each Line to Ground	F1200	F1250	F1260	F1270	F1280	F1290
115VAC, 60Hz:	0.40mA	0.25mA	.15mA	.002mA	.015mA	.030mA
250VAC, 50Hz:	.75mA	.40mA	.25mA	.005mA	.025mA	.050mA

Agency Approvals:



Except 30Amp

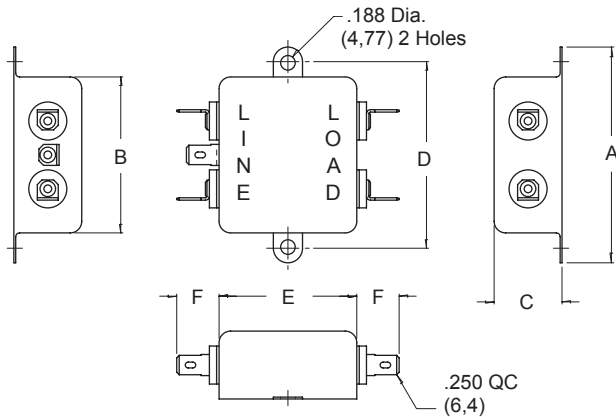
F1200/F1250 Simplified Schematic



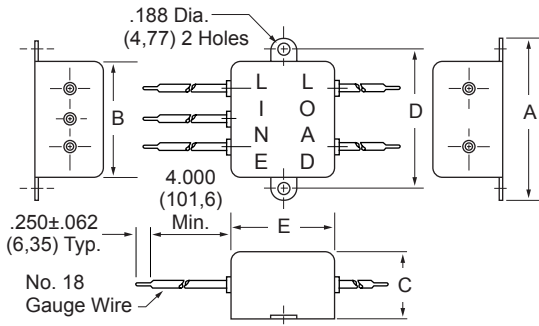
Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
1A	F1200AA01	QC/QC	Common	20	35	43	52	55	50
	F1200BB01	Wire/Wire	Differential	4	38	59	66	62	54
	F1250AA01	QC/QC	Common	20	30	37	50	50	50
	F1250BB01	Wire/Wire	Differential	4	38	59	66	62	54
3A	F1200AA03	QC/QC	Common	20	35	43	52	55	50
	F1200BB03	Wire/Wire	Differential	4	38	59	70	64	59
	F1250AA03	QC/QC	Common	20	30	37	50	50	50
	F1250BB03	Wire/Wire	Differential	4	38	59	70	64	59
	F1250CA03	IEC/QC							
6A	F1200AA06	QC/QC	Common	10	22	30	46	50	45
	F1200BB06	Wire/Wire	Differential	9	25	48	70	70	62
	F1250AA06	QC/QC	Common	10	20	27	45	45	45
	F1250BB06	Wire/Wire	Differential	9	25	48	70	70	62
	F1250CA06	IEC/QC							
10A	F1200AA10	QC/QC	Common	10	22	30	46	50	45
	F1200BB10	Wire/Wire	Differential	10	16	43	70	70	66
	F1250AA10	QC/QC	Common	10	20	27	45	45	45
	F1250BB10	Wire/Wire	Differential	10	16	43	70	70	66
	F1250CA10	IEC/QC							
20A	F1200AA20	QC/QC	Common	10	22	30	42	47	40
	F1200DD20	Screw/Screw	Differential	9	19	44	70	70	70
	F1250AA20	QC/QC	Common	10	20	25	38	40	40
	F1250DD20	Screw/Screw	Differential	9	19	44	70	70	70
	F1250CA20	IEC/QC							
30A	F1200AA30	QC/QC	Common	7	15	20	34	42	40
	F1200DD30	Screw/Screw	Differential	11	13	44	70	60	57

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

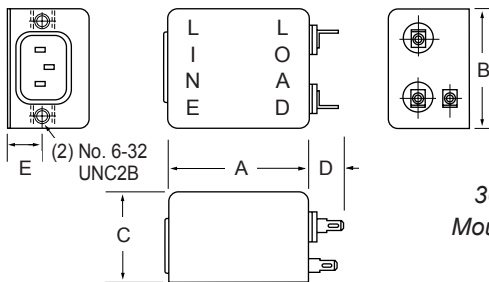


F1200AA/F1250AA (1, 3, 6, 10 and 20Amp) Dimensions

Amps	A	B	C	D	E	F
1A	2.750 (69,9)	2.00 (50,8)	.875 (22,2)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
3A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
6A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
10A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
20A	3.310 (84,1)	2.50 (63,5)	1.500 (38,1)	2.940 (74,7)	2.000 (50,8)	.550 (14,0)

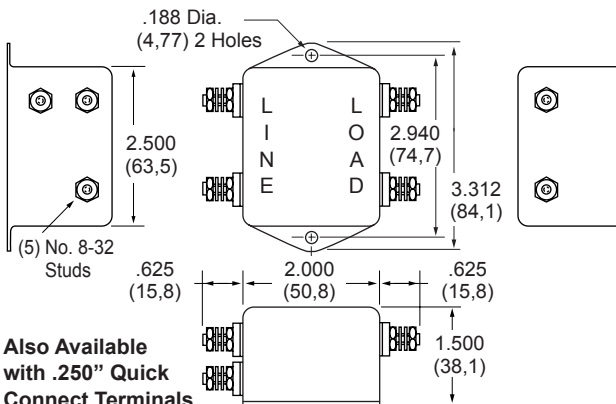
F1200BB/FB1250BB (1, 3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
1A	2.750 (69,9)	2.00 (50,8)	.875 (22,2)	2.375 (60,3)	1.750 (44,5)
3A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)
6A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)
10A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)

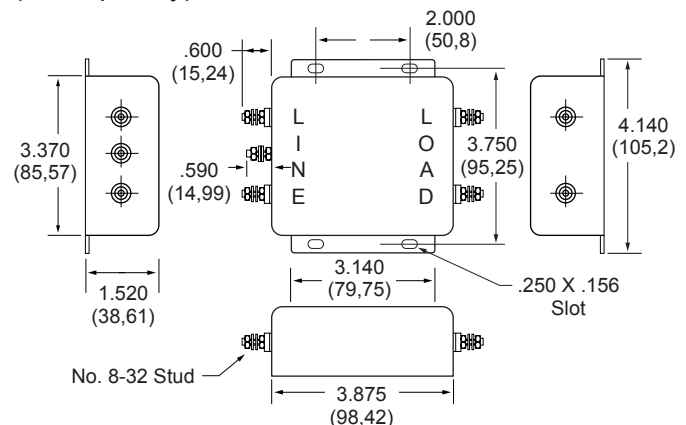
F1200CA/F1250CA (3, 6, and 10Amp) Dimensions

Refer to Page
36 for Standard
Mounting Cutouts

Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.50 (38,1)	.550 (14,0)	.565 (14,44)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.750 (19,1)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.750 (19,1)

F1200DD/F1250DD (20Amp Only) Dimensions

Also Available
with .250" Quick
Connect Terminals

F1200DD30 (30Amp Only) Dimensions

F1300 RFI Filters

General Purpose

SINGLE PHASE FILTERS



Features:

- T Circuit Configuration—Designed for Motor, Capacitive and Other Low Impedance Loads
- Dual Coils — Higher Performance in Unknown RFI and Noise Susceptibility Applications
- Integral IEC Connector and PC Mounted Versions Now Available

Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:

115VAC	1A	3A	6A	10A	15A	20A
250VAC	1A	2.5A	4A	6A	15A	16A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min): **F1300/F1350**

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	C: IEC Receptacle
B: Wire	P: PC – P.C. Board

Maximum Leakage Current:

Each Line to Ground	F1300	F1350	F1360	F1370	F1380	F1390
115VAC, 60Hz:	0.4mA	0.25mA	.15mA	.002mA	.015mA	.030mA
250VAC, 50Hz:	.75mA	.40mA	.25mA	.005mA	.025mA	.050mA

Agency Approvals:

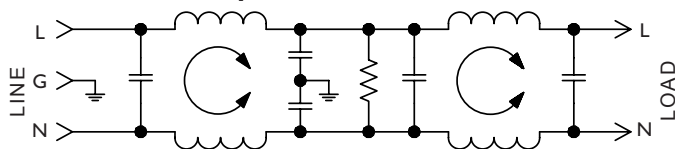
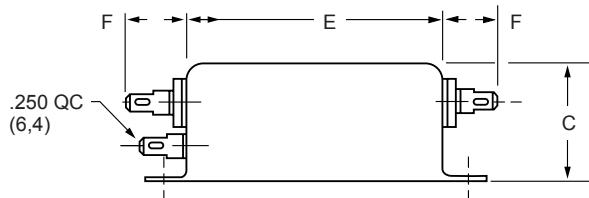
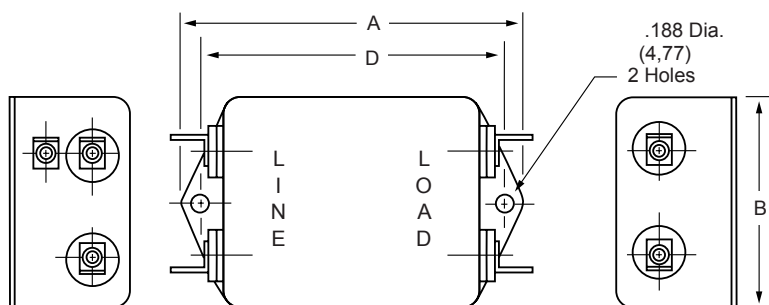


Except 15Amp

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
1A	F1300AA01	QC/QC	Common	40	65	65	65	65	65
	F1300BB01	Wire/Wire	Differential	2	57	69	70	70	60
	F1350AA01	QC/QC	Common	30	60	65	65	65	65
	F1350BB01	Wire/Wire	Differential	2	57	69	70	70	60
3A	F1300AA03	QC/QC	Common	40	65	65	65	65	65
	F1300BB03	Wire/Wire	Differential	7	64	70	70	70	58
	F1300CA03	IEC/QC							
	F1300CP03	IEC/PC							
3A	F1350AA03	QC/QC	Common	30	60	65	65	65	65
	F1350BB03	Wire/Wire	Differential	7	64	70	70	70	58
	F1350CA03	IEC/QC							
	F1350CP03	IEC/PC							
6A	F1300AA06	QC/QC	Common	12	48	60	65	65	65
	F1300BB06	Wire/Wire	Differential	10	40	70	70	70	60
	F1300CA06	IEC/QC							
	F1350AA06	QC/QC	Common	2	40	60	65	65	65
6A	F1350BB06	Wire/Wire	Differential	10	40	70	70	70	60
	F1350CA06	IEC/QC							
10A	F1300AA10	QC/QC	Common	12	48	60	65	65	65
	F1300BB10	Wire/Wire	Differential	13	13	64	70	67	56
	F1300CA10	IEC/QC							
	F1350AA10	QC/QC	Common	2	40	60	65	65	65
10A	F1350BB10	Wire/Wire	Differential	13	13	64	70	67	56
	F1350CA10	IEC/QC							
15A	F1300AA15	QC/QC	Common	14	35	44	56	58	55
	F1300BB15	Wire/Wire	Differential	15	10	45	70	67	56
20A	F1300AA20	QC/QC	Common	5	44	60	65	65	60
	F1300BB20	Wire/Wire	Differential	—	—	35	60	57	45
	F1300CA20	IEC/QC							
	F1350AA20	QC/QC	Common	2	35	61	63	60	50
20A	F1350BB20	Wire/Wire	Differential	—	—	35	60	57	45
	F1350CA20	IEC/QC							

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

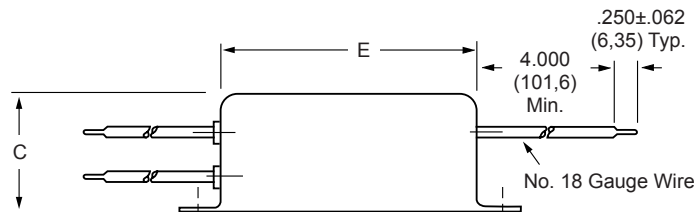
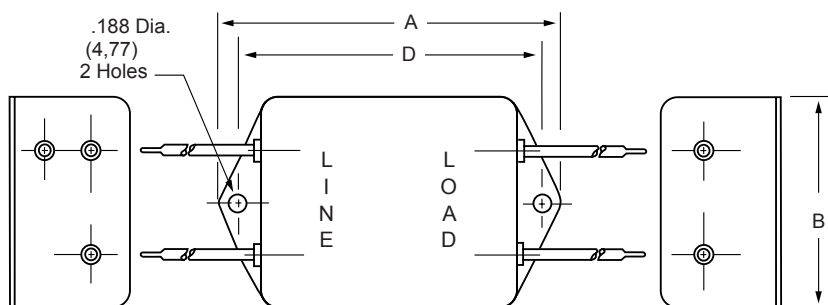


F1300/F1350 Simplified Schematic**F1300AA (1, 3, 6, 10 and 15Amp) F1350AA (1, 3, 6 and 10Amp) Dimensions**

Amps	A	B	C	D	E	F
1A	2.750 (69,9)	1.750 (44,5)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
3A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
15A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)

F1300BB/F1350BB

(1, 3, 6 and 10Amp) Dimensions



Amps	A	B	C	D	E
1A	2.750 (69,9)	1.750 (44,5)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)
3A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)



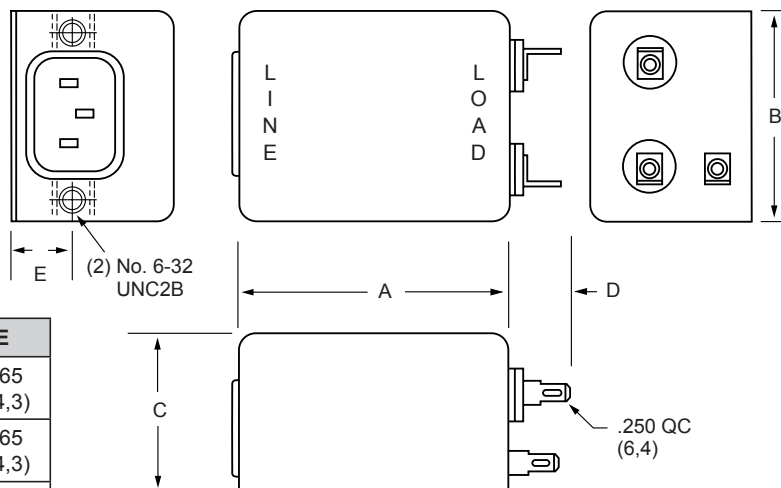
F1300 RFI Filters (continued)

F1300CA (3, 6 and 10Amp)

F1350CA (3 and 6Amp) Dimensions

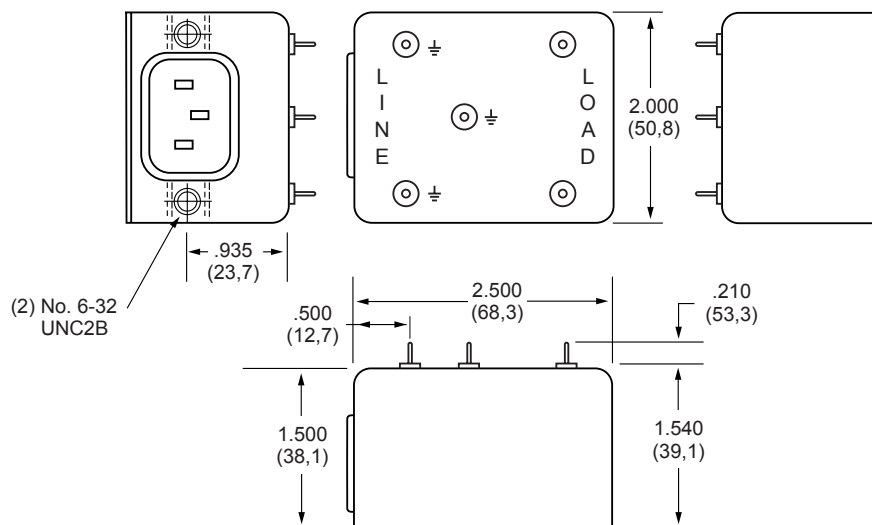
Refer to Page 36
for Standard
Mounting Cutouts

Amps	A	B	C	D	E
3A	2.500 (63,6)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.880 (73,1)	2.120 (53,8)	1.500 (38,1)	.65 (16,0)	.565 (14,3)

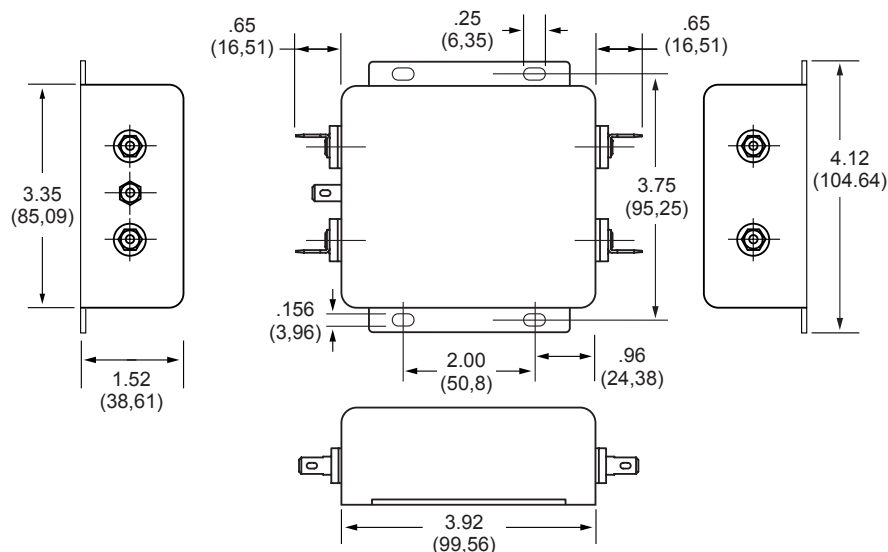


F1300CP/F1350CP (3Amp Only) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts



F1300AA/F1350AA (20Amp Only) Dimensions

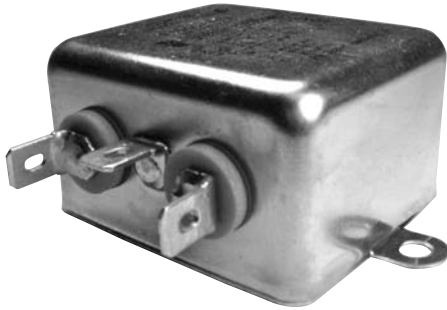


General Purpose

SINGLE PHASE FILTERS



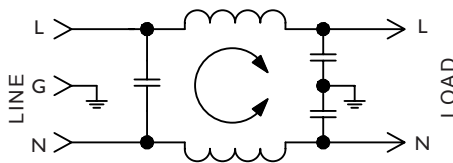
F1900 RFI Filters



Features:

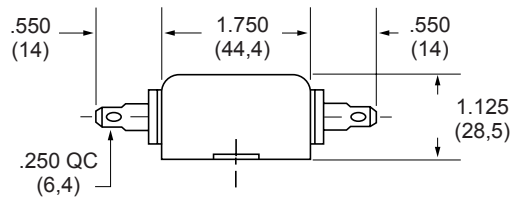
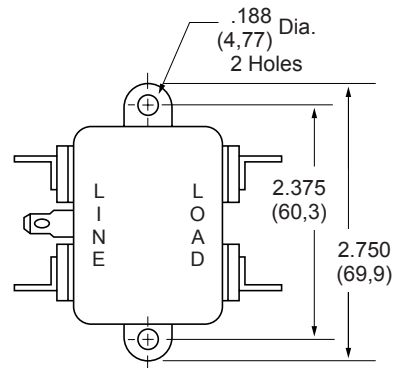
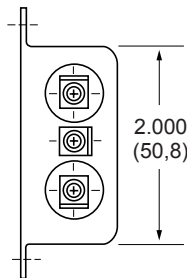
- Designed for Equipment Requiring UL1410 Approval (Consumer Electronics)
- Utilizes UL1414 Approved Components
- Greater Differential Mode Protection

F1900 Simplified Schematic



F1900AA

(3 and 6Amp) Dimensions



Specifications:

Rated Voltage: 125VAC Maximum - 50/60 Hz

Rated Current: 120VAC
3A
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

Maximum Leakage Current:

Each Line to Ground **F1900**
115VAC, 60Hz: 0.25mA

Agency Approvals:



General Purpose

SINGLE PHASE FILTERS

Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	.15	.50	1.0	5.0	10	30
3A	F1900AA03	QC/QC	Common	20	30	37	50	50	50
			Differential	7	19	28	50	57	70
6A	F1900AA06	QC/QC	Common	10	20	27	45	45	45
			Differential	8	18	24	45	52	64

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

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



Curtis Industries
A Division of Powers Holdings, Inc.

1-800-657-0853

11

F1400 RFI Filters

High Performance

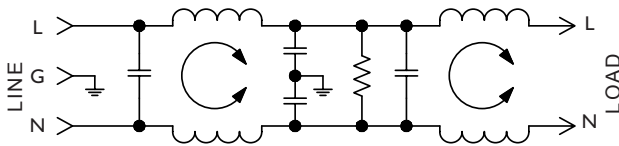
SINGLE PHASE FILTERS



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

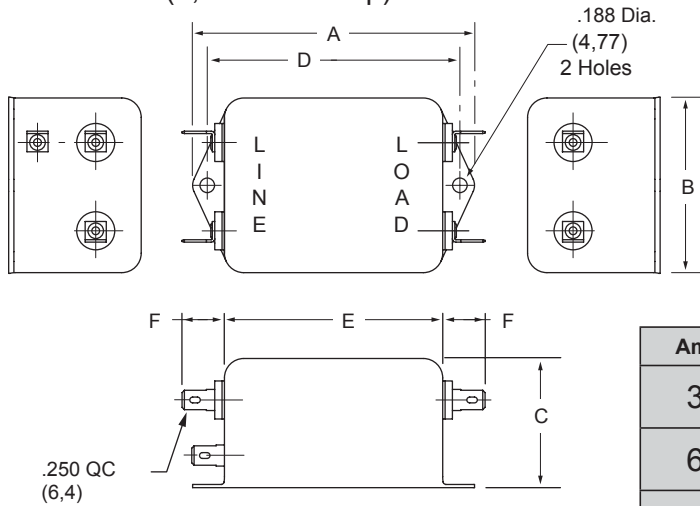
Agency Approvals:



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.

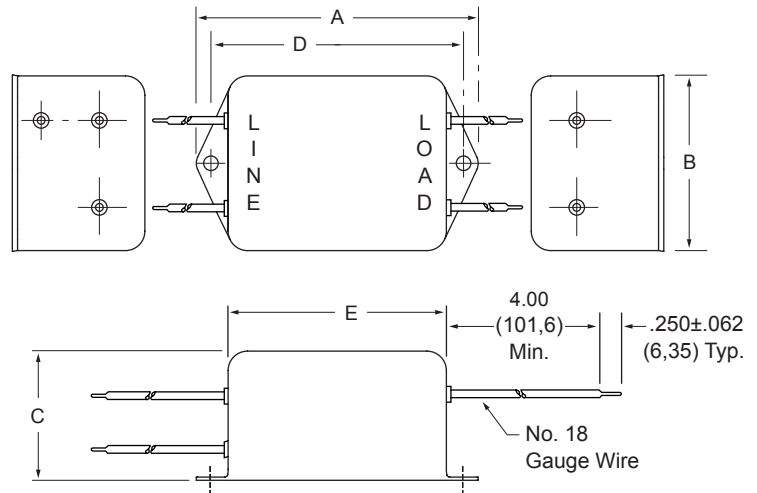
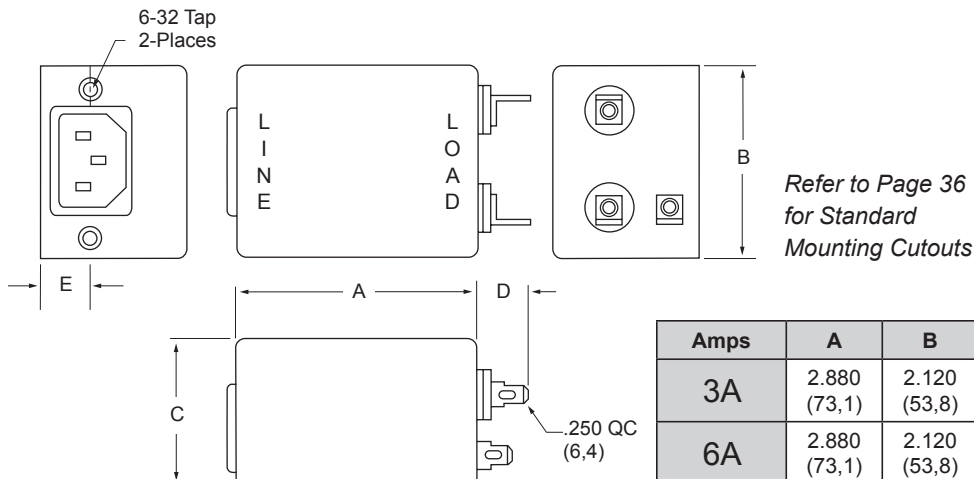


F1400AA (3, 6 and 10Amp) Dimensions

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)



F1500 RFI Filters

High Performance

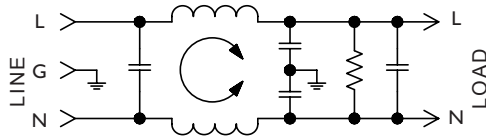
SINGLE PHASE FILTERS



Features:

- 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 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
F: IEC Receptacle with Fuse Holder

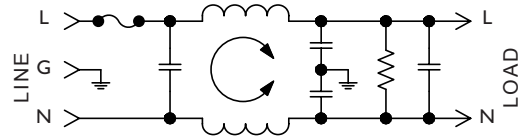
Maximum Leakage Current:

Each Line to Ground	F1500
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

Agency Approvals:



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	QC/QC IEC/QC Fused IEC/QC QC/Wire	Common Differential	32	43	50	50	50	50
	F1500CA03			35	60	65	60	55	40
	F1500FA03								
	F1500CB03								
6A	F1500AX06	IEC/QC Fused IEC/QC QC/Wire	Common Differential	32	42	45	45	45	45
	F1500CA06			30	60	65	65	60	50
	F1500FA06								
	F1500CB06								
10A	F1500AA10	QC/QC IEC/QC Fused IEC/QC	Common Differential	29	36	39	45	45	45
	F1500CA10			15	50	65	65	60	50
	F1500FA10								
	F1500CB10								
15A	F1500CA15	IEC/QC IEC/Wire	Common Differential	26	32	36	44	46	52
	F1500CB15			35	60	65	65	65	65

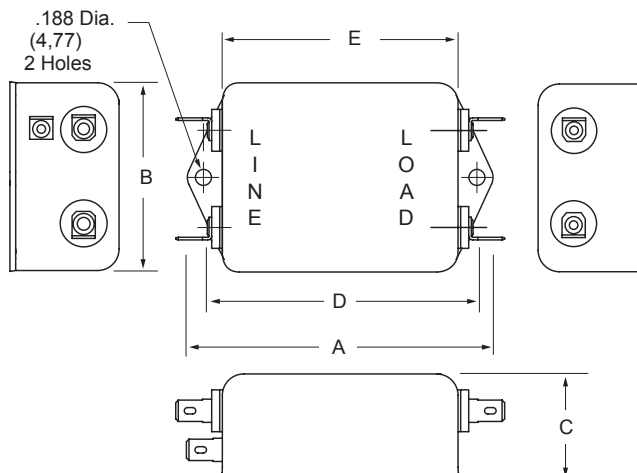
NOTE: Other combinations of terminals may be specified on special order.



F1500AA (3 and 10Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts

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

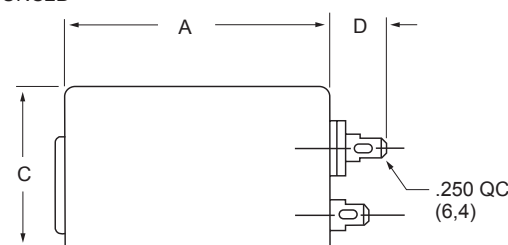
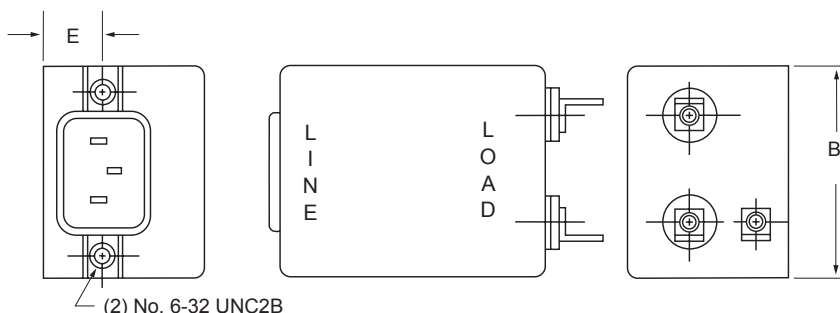


F1500CA (3, 6, 10 and 15Amp) Dimensions

F1500CB (3, 6, 10 and 15Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts

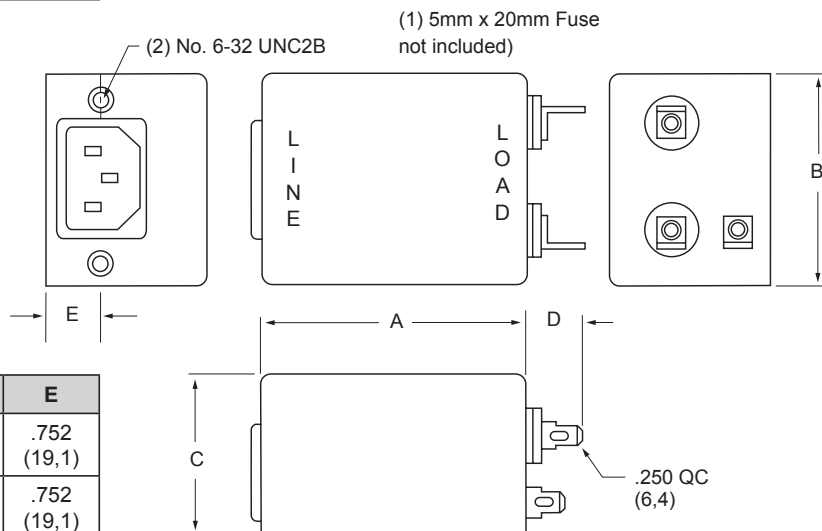
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
15A	3.25 (82,6)	2.25 (57,2)	1.75 (44,5)	.550 (14,0)	.705 (17,9)



F1500FA (3, 6 and 10Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts

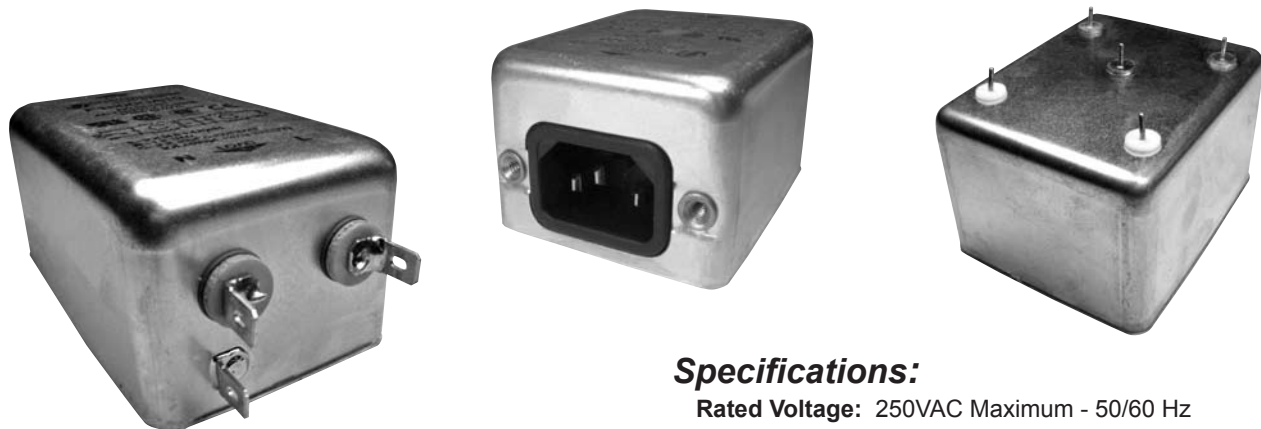
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.752 (19,1)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.752 (19,1)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.752 (19,1)



F1600 RFI Filters

High Performance

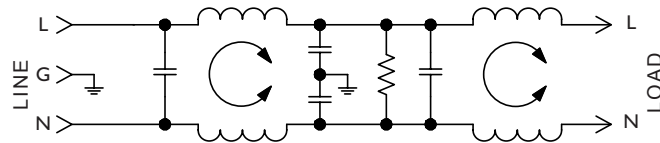
SINGLE PHASE FILTERS



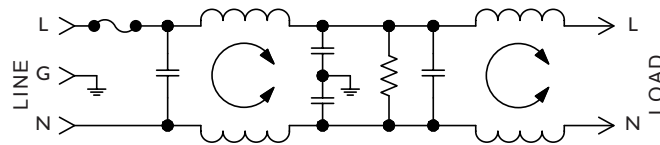
Features:

- 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:

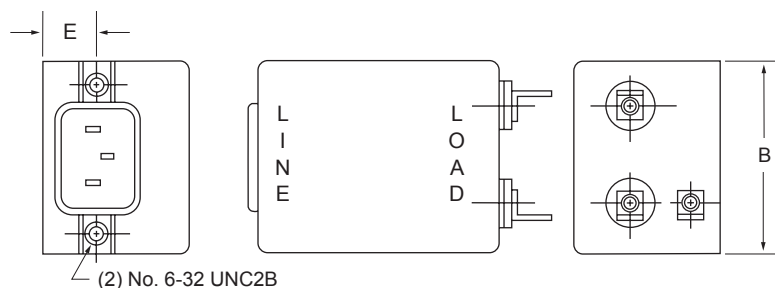


Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
3A	F1600CA03	IEC/QC IEC/PC Fused IEC/QC IEC/Wire	Common Differential	52	65	65	65	65	65
	F1600CP03			40	50	60	65	65	50
	F1600FA03								
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

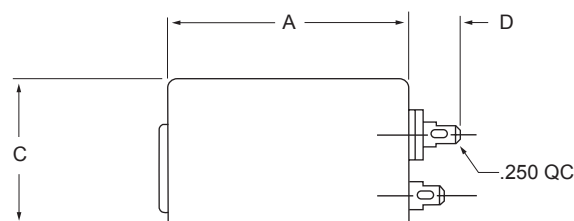
NOTE: Other combinations of terminals may be specified on special order.



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



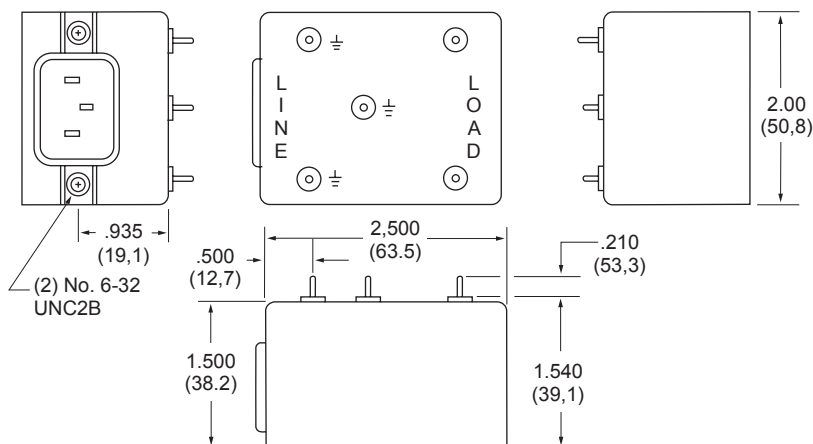
Refer to Page 36
for Standard
Mounting Cutouts



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)

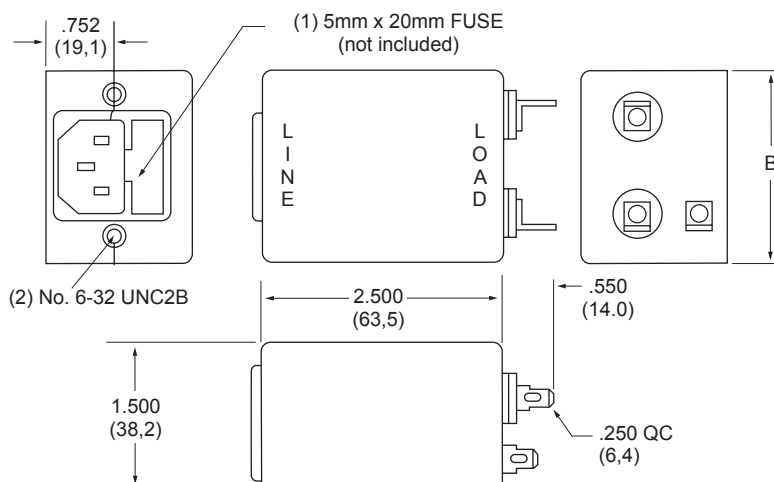
F1600CP (3 and 6Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts



F1600FA (3 and 6Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts



F1700 RFI Filters

High Performance

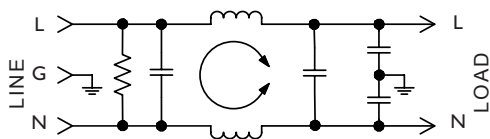
SINGLE PHASE FILTERS



Features:

- General Purpose — Designed for Applications with Higher Differential Mode Noise
- Higher Line-to-Line Capacitance for Protection from Pulsed, Intermittent or Continuous RFI
- A Cost-Effective Replacement for Independent Coil Design in Many SMPS Applications
- Available with Integral IEC Connector

F1700 Simplified Schematic



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:

	115VAC	250VAC
3A		2.5A
6A		4A
10A		6A
20A		10A
30A		15A

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
D: Screw

Maximum Leakage Current:

	F1700	F1710	F1720	F1740
Each Line to Ground				
115VAC, 60Hz:	0.40mA	.15mA	.002mA	.060mA
250VAC, 50Hz:	0.75mA	.25mA	.005mA	.120mA

Agency Approvals:



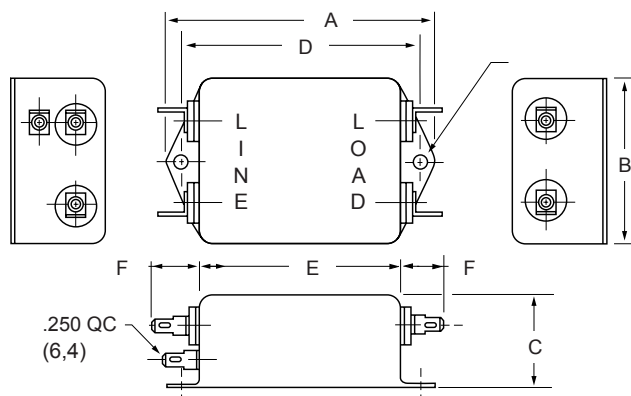
Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz					
				.15	.50	1.0	5.0	10	30
3A	F1700AA03	QC/QC Wire/Wire IEC/QC	Common Differential	20	35	43	52	55	50
	F1700BB03			25	60	65	65	50	50
	F1700CA03								
	F1710AA03	QC/QC	Common Differential	20 25	34 60	40 65	45 65	45 50	40 50
6A	F1720AA03	QC/QC	Common Differential	20 35	32 60	35 65	35 60	35 55	40 40
	F1740AA03	QC/QC	Common Differential	20 35	30 60	35 65	35 60	35 55	40 40
10A	F1700AA06	QC/QC Wire/Wire IEC/QC	Common Differential	10	22	30	46	50	45
	F1700BB06			15	50	65	60	60	60
20A	F1700CA06								
	F1700AA10	QC/QC Wire/Wire IEC/QC	Common Differential	10	22	30	46	50	45
30A	F1700BB10			20	45	60	65	60	55
	F1700CA10								
30A	F1700AA20	QC/QC Screw/Screw	Common Differential	10 15	22 45	30 60	42 65	47 60	40 55
	F1700DD20	Screw/Screw	Common Differential	10	22	30	42	47	52
	F1720DD20			15	45	60	65	60	55
	F1700DD30	Screw/Screw	Common Differential	7 15	15 45	20 60	34 65	42 60	40 55

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



F1700AA, 1710, 1720, 1740

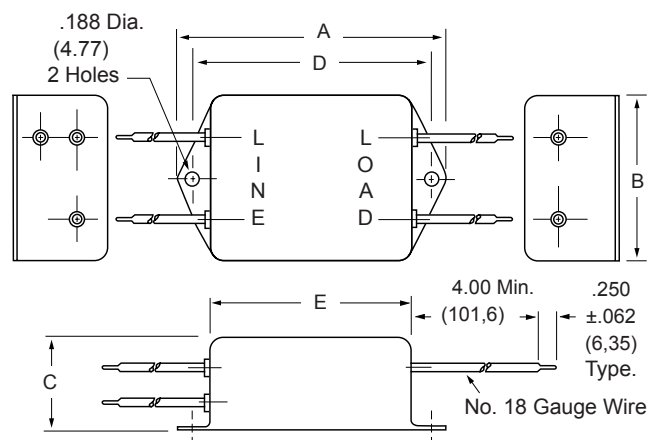
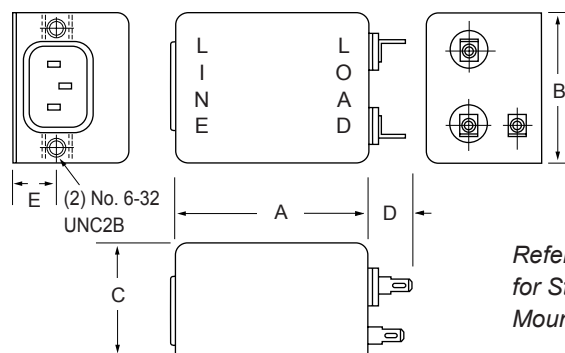
(3, 6 and 10Amp) Dimensions



Amps	A	B	C	D	E	F
3A	2.750 (69,8)	1.750 (44,4)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
20A	See 1700DD20 for Case Dimensions					

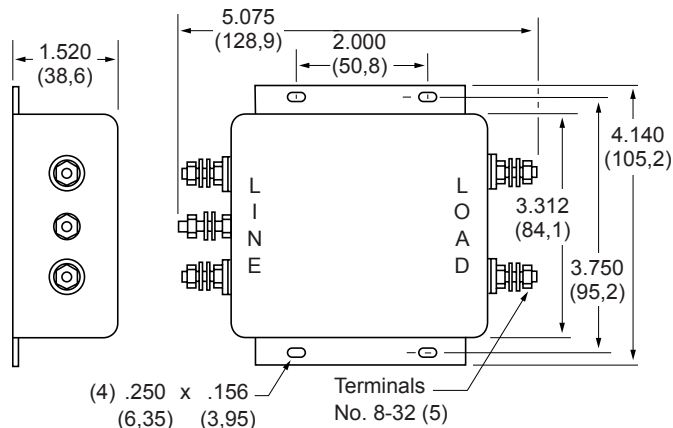
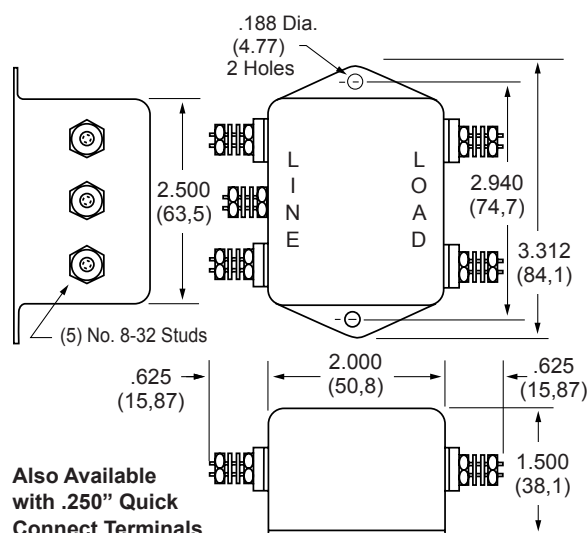
F1700BB (3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
3A	2.750 (69,8)	1.750 (44,4)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)

**F1700CA** (3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)

Refer to Page 36
for Standard
Mounting Cutouts

F1700DD30 (30Amp) Dimensions**F1700DD20** (20Amp) Dimensions

Also Available
with .250" Quick
Connect Terminals



F1760/F1770/F1780 RFI Filters

High Performance

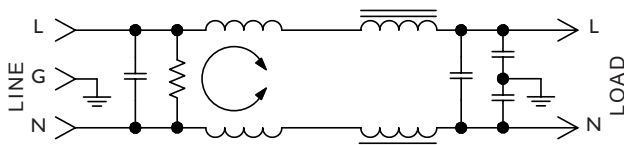
SINGLE PHASE FILTERS



Features:

- Designed for Applications Where Switching Power Supplies, SCR's and TTL Circuits Are Utilized
- Protection from Pulsed, Intermittent or Continuous RFI
- Effective CM and DM Suppression for Most FCC VDE Requirements Down to 150KHz
- Available in Stud and Quick Connect Terminal Versions

F1760 Simplified Schematic



Specifications:

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

Rated Current: 115VAC 250VAC
20A 14A

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
D: Screw

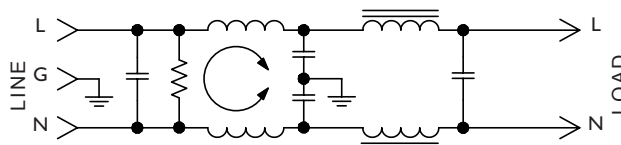
Maximum Leakage Current:

Each Line to Ground **F1760/1770/1780**
115VAC, 60Hz: 0.5mA
250VAC, 50Hz: 1.0mA

Agency Approvals:

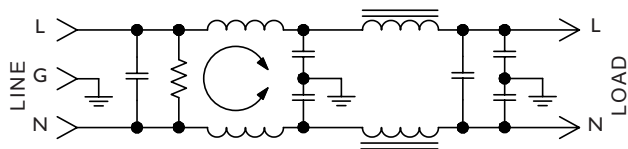


F1770 Simplified Schematic



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	20	30
3A	F1760AA03	QC/QC	Common	15	30	40	45	50	45	45
	F1760DD03	Screw/Screw	Differential	40	65	65	60	55	55	55
	F1780AA03	QC/QC	Common	13	25	40	60	60	55	50
	F1780DD03	Screw/Screw	Differential	40	65	65	62	55	45	45
6A	F1760AA06	QC/QC	Common	15	30	35	35	44	43	42
	F1760DD06	Screw/Screw	Differential	40	65	65	65	53	52	50
	F1780AA06	QC/QC	Common	13	30	40	65	65	53	48
	F1780DD06	Screw/Screw	Differential	40	65	65	62	55	45	45
10A	F1760AA10	QC/QC	Common	15	30	35	50	50	40	40
	F1760DD10	Screw/Screw	Differential	40	65	65	55	50	50	50
	F1780AA10	QC/QC	Common	13	20	35	65	65	55	50
	F1780DD10	Screw/Screw	Differential	40	65	65	62	55	45	45
20A	F1760AA20	QC/QC	Common	12	25	31	42	47	50	40
	F1760DD20	Screw/Screw	Differential	41	65	65	65	60	60	55
	F1780AA20	QC/QC	Common	12	30	32	60	60	60	55
	F1780DD20	Screw/Screw	Differential	41	65	65	65	60	60	55

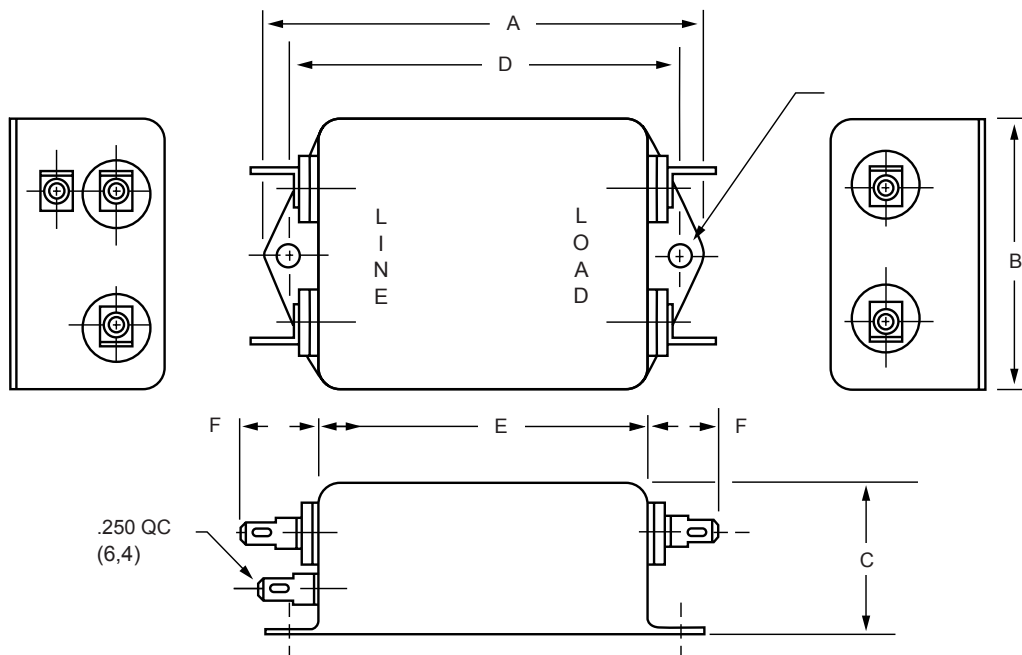
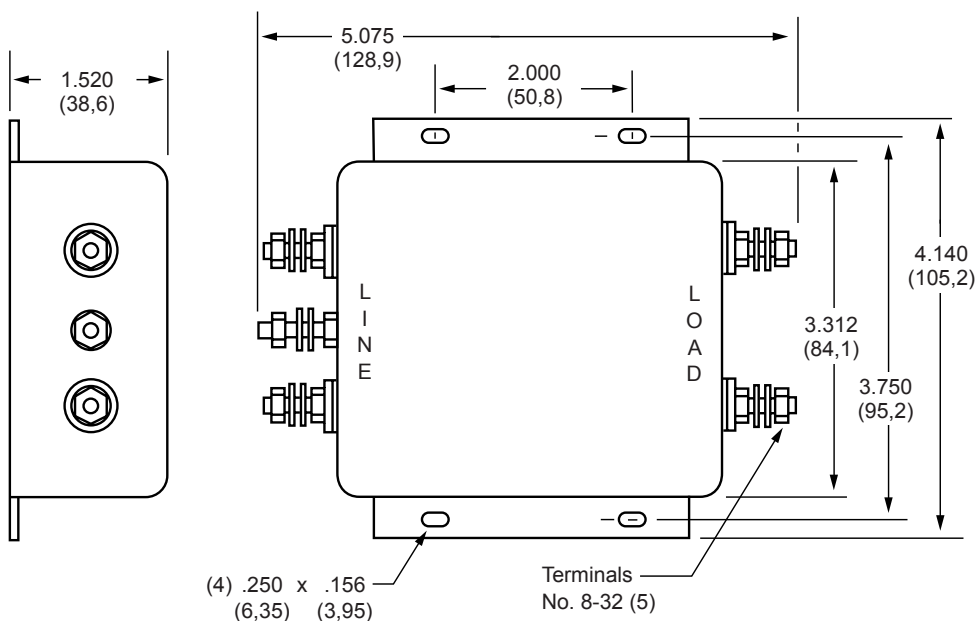


F1780 Simplified Schematic

Amps	A	B	C	D	E	F
3A	2.750 (69,8)	1.750 (44,4)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)

F1760/F1770/1780AA

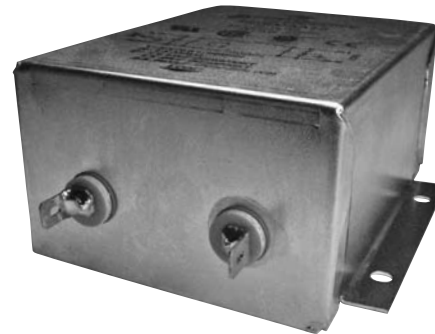
(3, 6, and 10Amp) Dimensions

**F1760/F1770/1780 (20Amp Only) Dimensions**

F2800 RFI Filters

High Performance

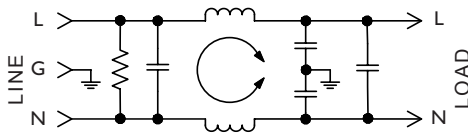
SINGLE PHASE FILTERS



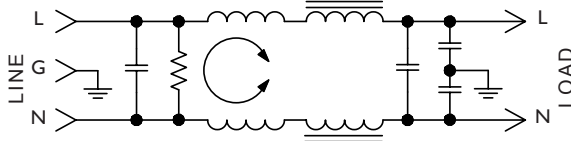
Features:

- Designed for VDE "A" and FCC "B" Switching Power Supply Applications
- Low-Leakage Current
- Compact Case Sizes in Current Ratings up to 15A
- Effective Reduction of Common Mode and Differential Mode Noise from 100KHz to 30MHz

F2800 Simplified Schematic 3 & 6Amp



F2800 Simplified Schematic 10 & 15Amp



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:	115VAC	250VAC
	3A	1.5A
	6A	4A
	10A	6A
	15A	12A

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

Maximum Leakage Current:

Each Line to Ground	F2800
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

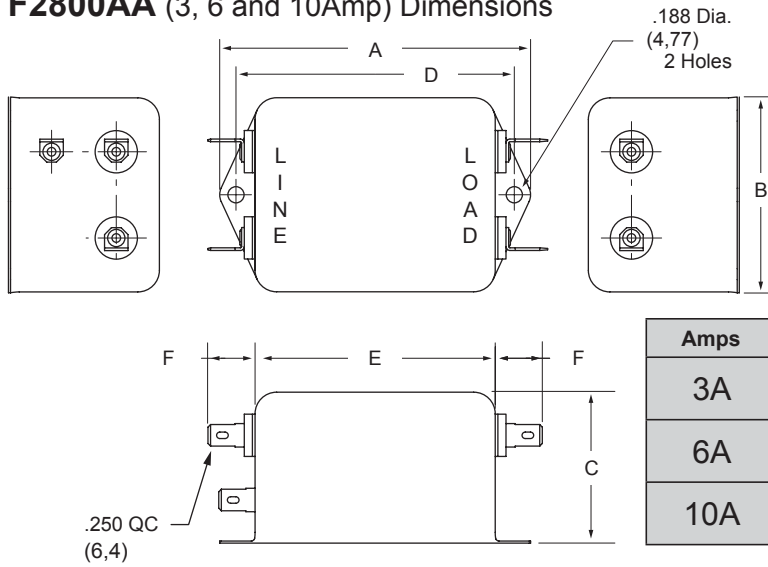
Agency Approvals:



Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)								
			MODE	Frequency - MHz							
				.01	.05	.15	.50	1.0	5.0	10	30
3A	F2800AA03	QC/QC Wire/Wire	Common	10	30	35	35	35	40	45	50
	F2800BB03		Differential	5	25	50	60	65	50	45	45
6A	F2800AA06	QC/QC Wire/Wire	Common	5	20	30	35	40	40	40	50
	F2800BB06		Differential	5	10	40	60	60	50	50	45
10A	F2800AA10	QC/QC Wire/Wire	Common	5	15	25	30	35	40	45	50
	F2800BB10		Differential	7	20	50	60	60	60	60	55
15A	F2800AA15	QC/QC Wire/Wire	Common	8	21	29	33	36	38	45	50
	F2800BB15		Differential	10	30	70	70	70	70	70	60

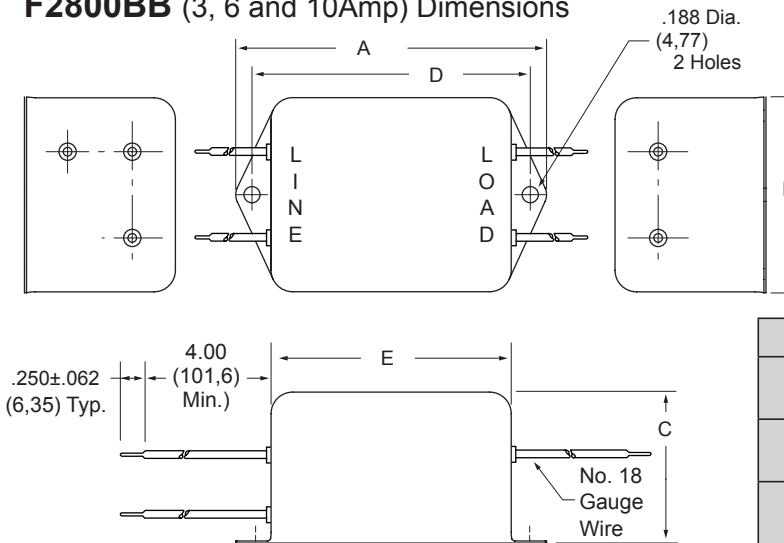


F2800AA (3, 6 and 10Amp) Dimensions



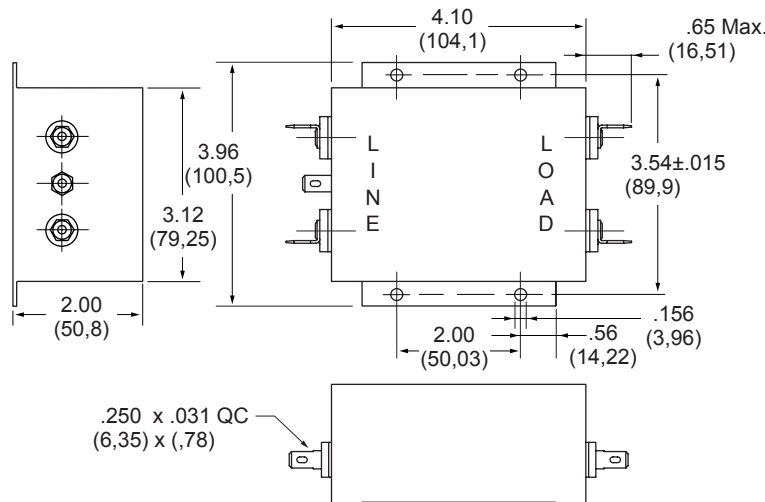
Amps	A	B	C	D	E	F
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	4.44 (113)	2.250 (57,1)	1.750 (44,4)	4.063 (103,2)	3.630 (92,2)	.650 (16,5)

F2800BB (3, 6 and 10Amp) Dimensions

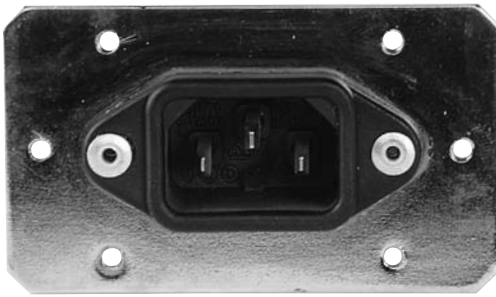


Amps	A	B	C	D	E
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
10A	4.690 (119)	2.250 (57,1)	1.750 (44,4)	4.063 (103,2)	3.630 (92,2)

F2800AA F2800BB (15Amp) Dimensions



F5100 RFI Filters



Ideal for Linear Power Supplies in Digital Equipment

Features:

- General Purpose Filter with Extended High-Frequency Insertion Loss Characteristics
- Effective Suppression of Incoming Common Mode and Differential Mode Noise
- Low-Profile Package with Integral IEC Connector
- Available in 3, 6 and 10Amp Ratings

Nominal Current Rating	Part Number	Termination Line/Load
3A	F5100CG03	IEC/ Solder Tab
6A	F5100CG06	IEC/ Solder Tab
10A	F5100CG10	IEC/ Solder Tab

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	1400VDC
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
G: Wire Wrap/Solder

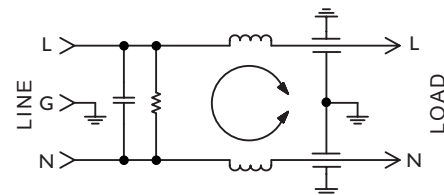
Maximum Leakage Current:

Each Line to Ground	F5100
115VAC, 60Hz:	0.25mA
250VAC, 60Hz:	0.50mA

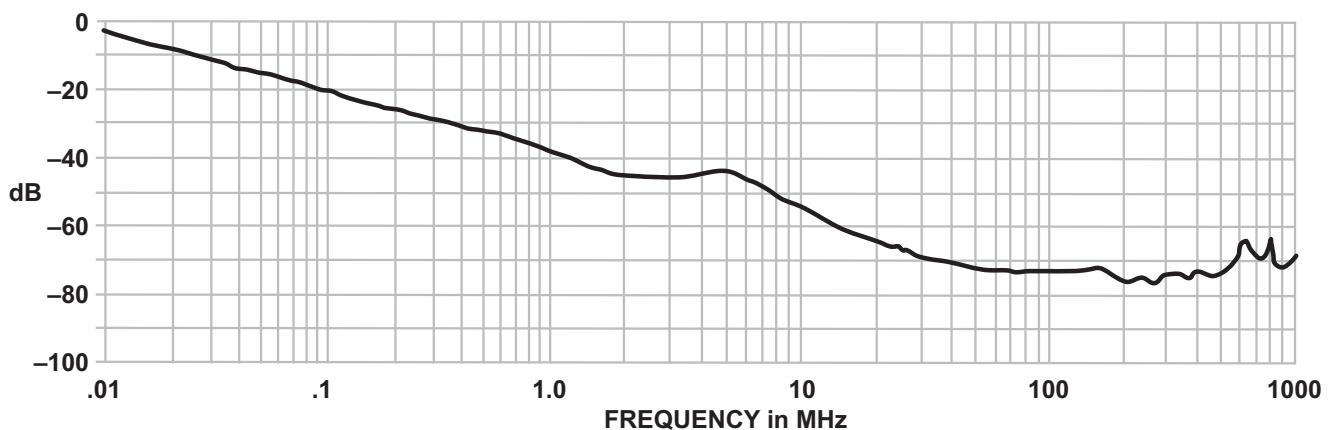
Agency Approvals:



F5100 Simplified Schematic

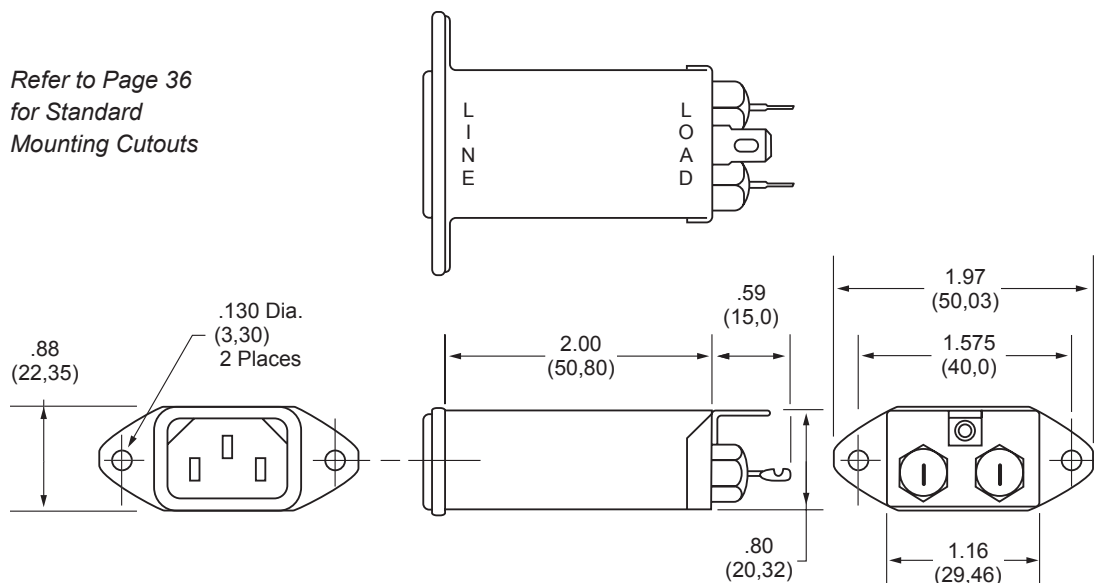


**F5100 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)**

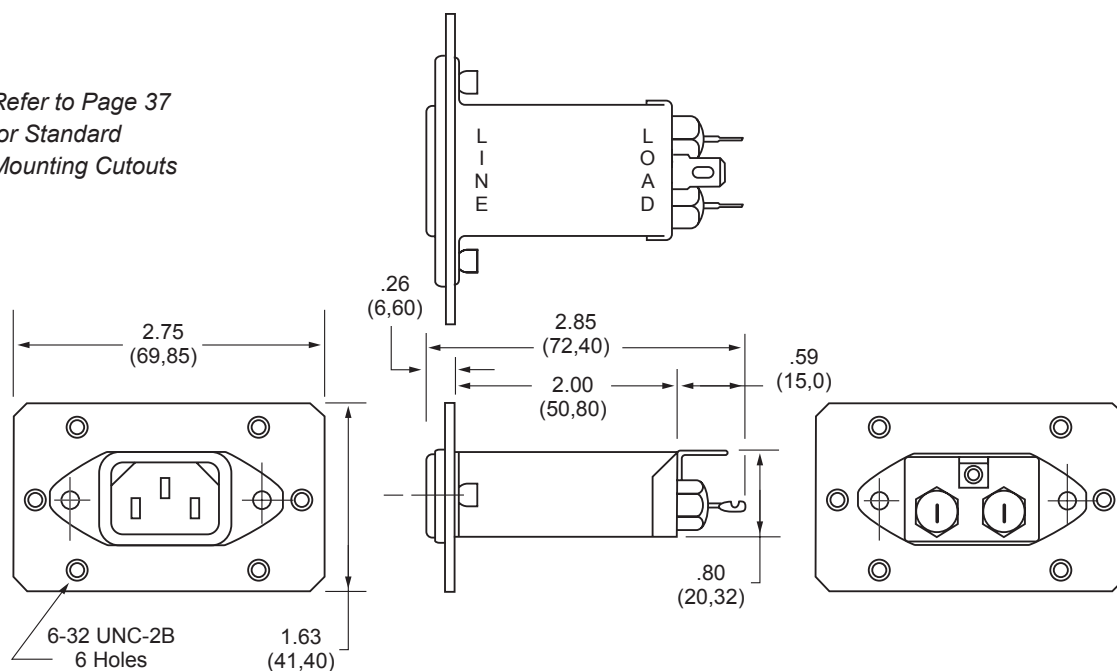


F5100CG (3, 6 and 10Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts

**F5101CG** (3, 6 and 10Amp) Dimensions with attached mounting plate

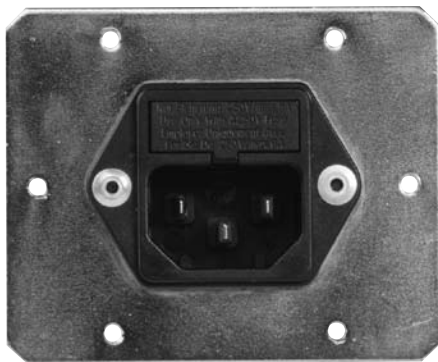
Refer to Page 37
for Standard
Mounting Cutouts



F5200 RFI Filters

Wide Band

SINGLE PHASE FILTERS



Ideal for Linear Power Supplies in Digital Equipment

Features:

- General Purpose Filter with Extended High-Frequency Insertion Loss Characteristics
- Effective Suppression of Incoming Common Mode and Differential Mode Noise
- Low-Profile Package with Integral IEC Connector
- Available in 3 and 6Amp Ratings

Nominal Current Rating	Part Number	Termination Line/Load
3A	F5200FG03	Fused IEC/ Solder Tab
6A	F5200FG06	Fused IEC/ Solder Tab

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 1400VDC

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:

F: Fused IEC Receptacle

G: Wire Wrap/Solder

Maximum Leakage Current:

Each Line to Ground **F5200**

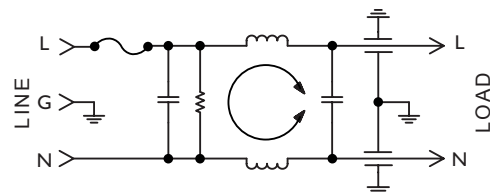
115VAC, 60Hz: 0.25mA

250VAC, 60Hz: 0.50mA

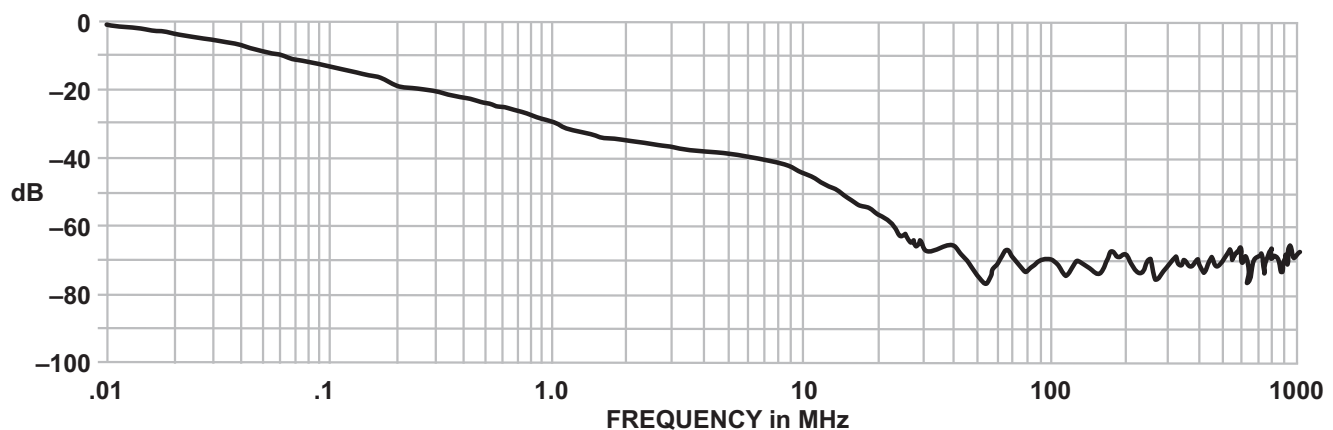
Agency Approvals:



F5200 Simplified Schematic

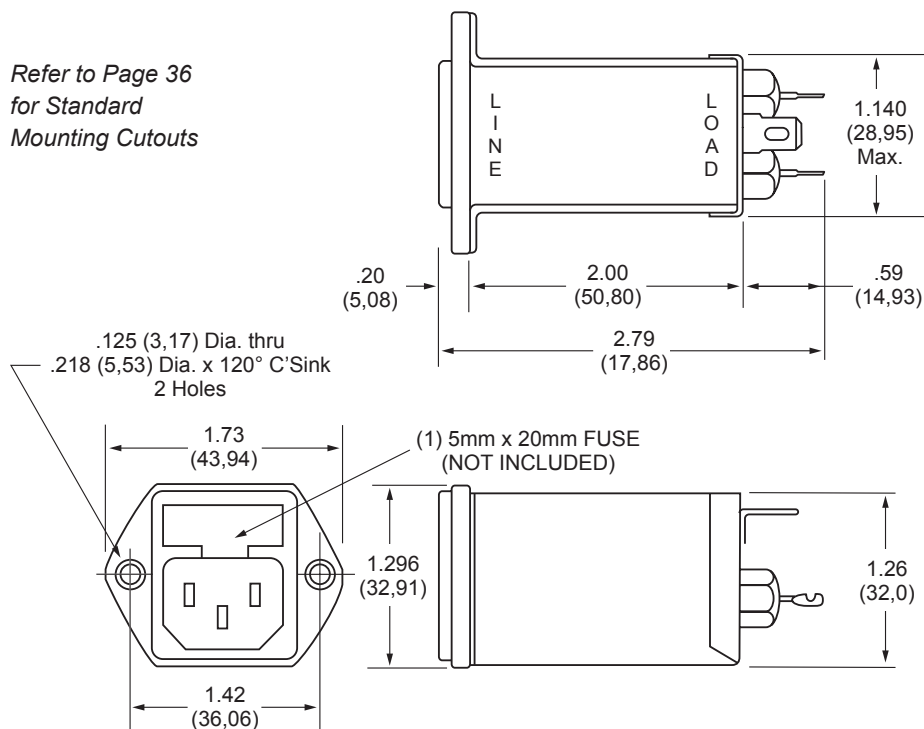


F5200 SERIES TYPICAL COMMON MODE INSERTION LOSS — dB (50 OHM CIRCUIT)



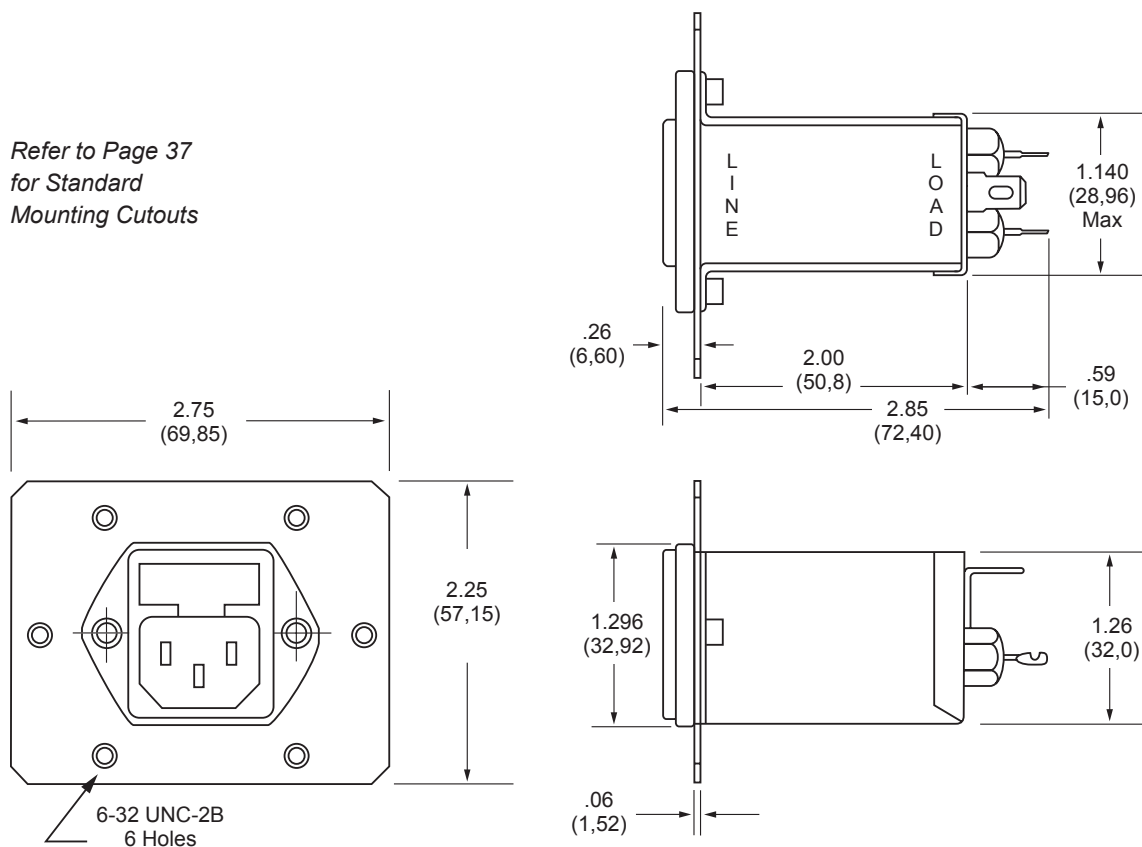
F5200FG (3 and 6Amp) Dimensions

Refer to Page 36
for Standard
Mounting Cutouts



F5201FG (3 and 6Amp) Dimensions with attached mounting plate

Refer to Page 37
for Standard
Mounting Cutouts



F5500 RFI Filters

Wide Band

SINGLE PHASE FILTERS

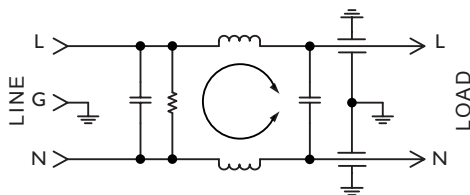


Ideal for Linear and Switching Power Supplies

Features:

- FCC and VDE Level "A" Applications
- High Inductance Single Coil Design Provides High Common Mode and Differential Mode Performance Above 150KHz
- High-Frequency Construction Techniques Maintain >50dB Insertion Loss from 10MHz to 1GHz
- Compact, Space-Saving Package Available in 3, 6 and 10-Amp Ratings

F5500 Simplified Schematic



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:

115VAC	250VAC
3A	3A
6A	4A
10A	6A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):

Line to Ground	1400VDC
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
G: Wire Wrap/Solder

Maximum Leakage Current:

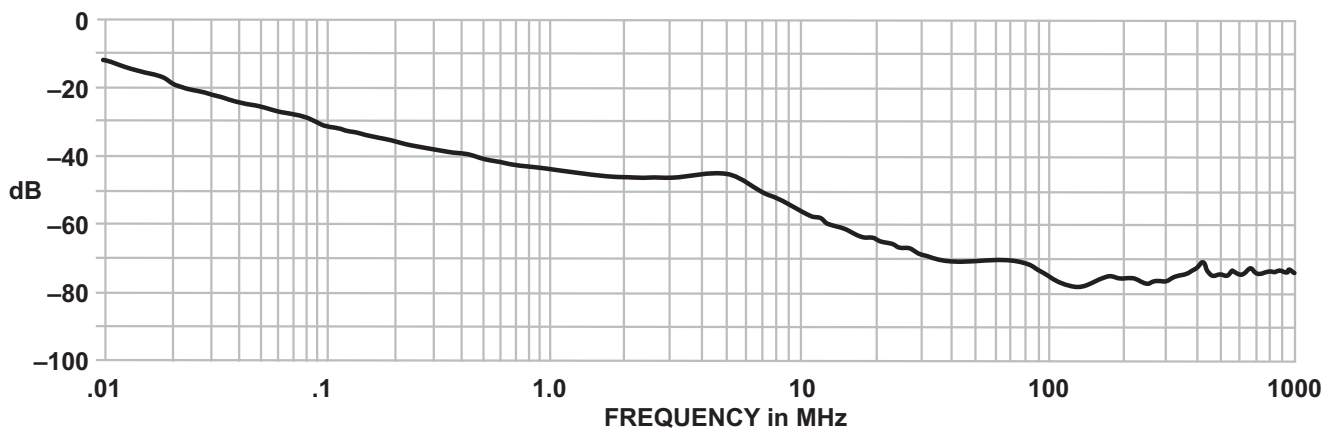
Each Line to Ground	F5500
115VAC, 60Hz:	0.25mA
250VAC, 60Hz:	0.50mA

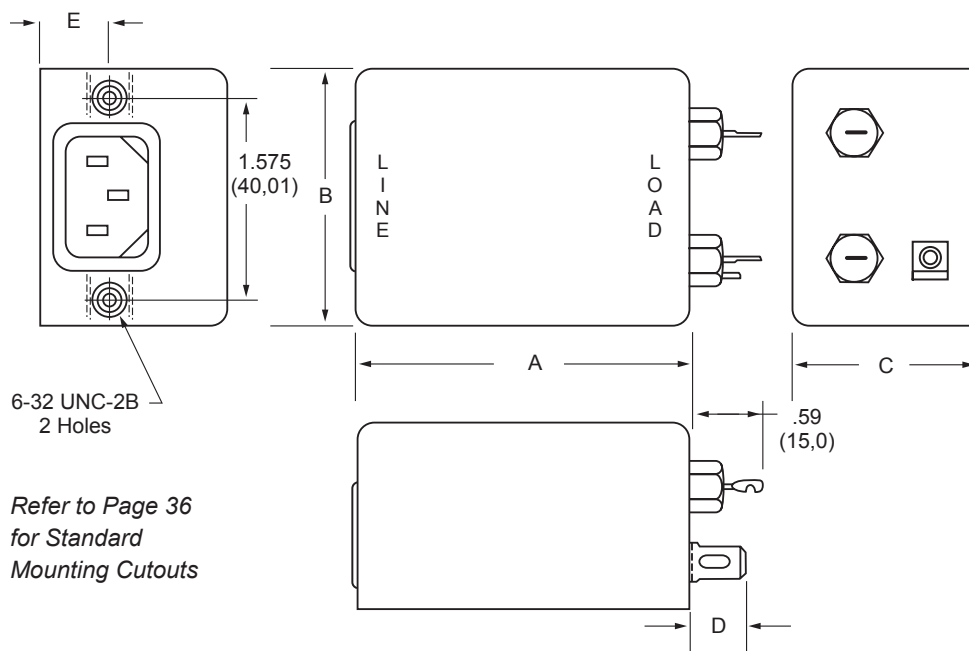
Agency Approvals:



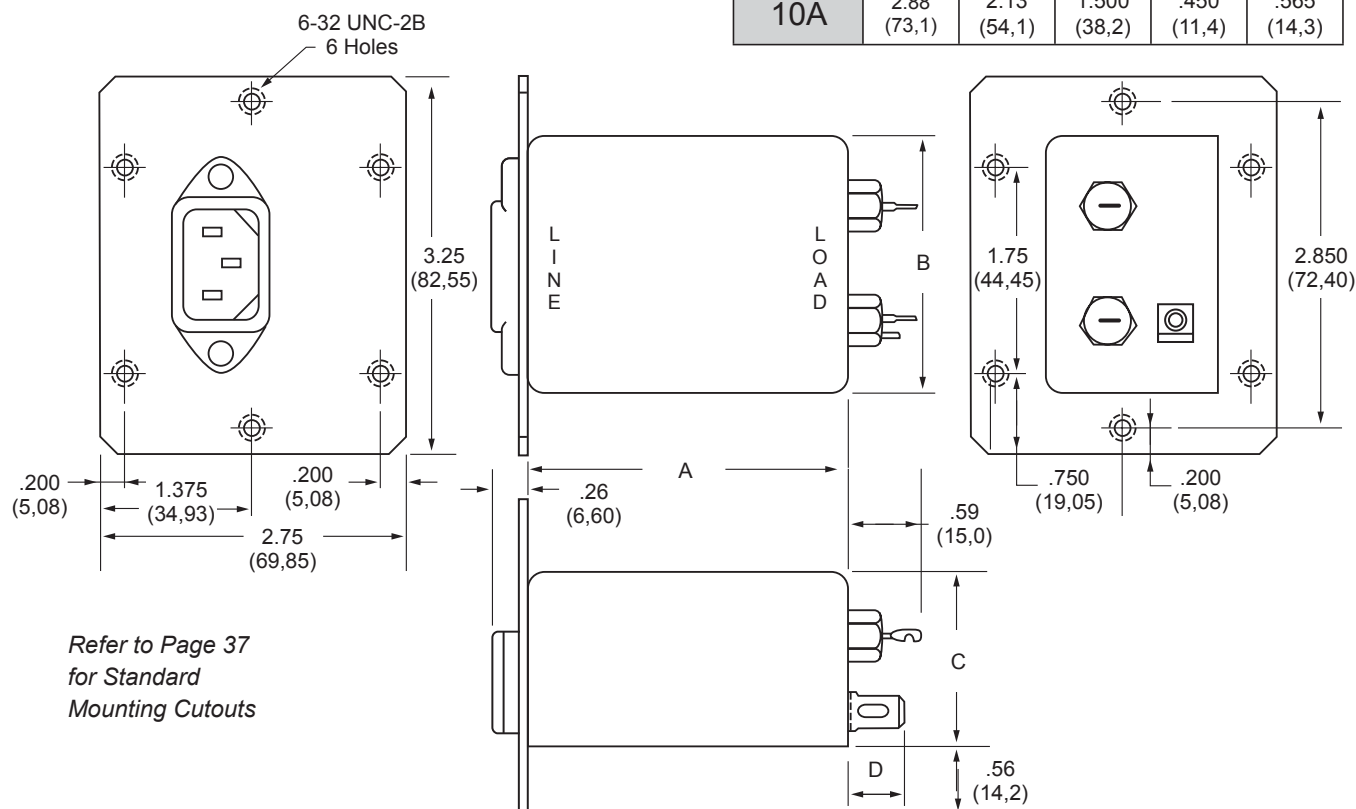
Nominal Current Rating	Part Number	Termination Line/Load
3A	F5500CG03	IEC/ Solder Tab
6A	F5500CG06	IEC/ Solder Tab
10A	F5500CG10	IEC/ Solder Tab

F5500 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)



F5500CG (3, 6 and 10Amp) Dimensions**F5501CG** (3, 6 and 10Amp) Dimensions
with attached mounting plate

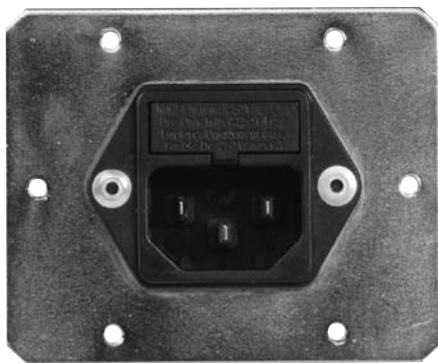
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,2)	.450 (11,4)	.565 (14,3)
6A	2.88 (73,1)	2.13 (54,1)	1.500 (38,2)	.450 (11,4)	.565 (14,3)
10A	2.88 (73,1)	2.13 (54,1)	1.500 (38,2)	.450 (11,4)	.565 (14,3)



F5600 RFI Filters

Wide Band

SINGLE PHASE FILTERS



Features:

- Suited for FCC "B" and VDE "A" Switching Power Supply Applications
- High Inductance, Multi-Stage Design with High Common Mode and Differential Mode Insertion Loss for Switching Power Supply Emissions
- >70dB Insertion Loss from 200KHz to 1GHz
- Compact, Space-Efficient Package Available in 3 and 6Amp Ratings

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 1400VDC

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 Receptacle

G: Wire Wrap/Solder

Termination: Quick Connect

Maximum Leakage Current:

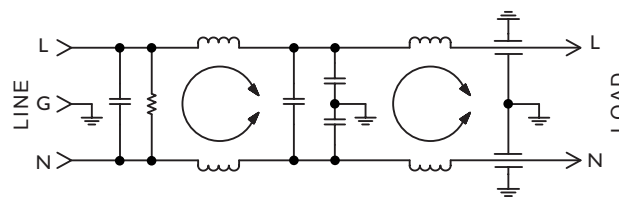
Each Line to Ground	F5600
115VAC, 60Hz:	0.50mA
250VAC, 60Hz:	1.20mA

Agency Approvals:

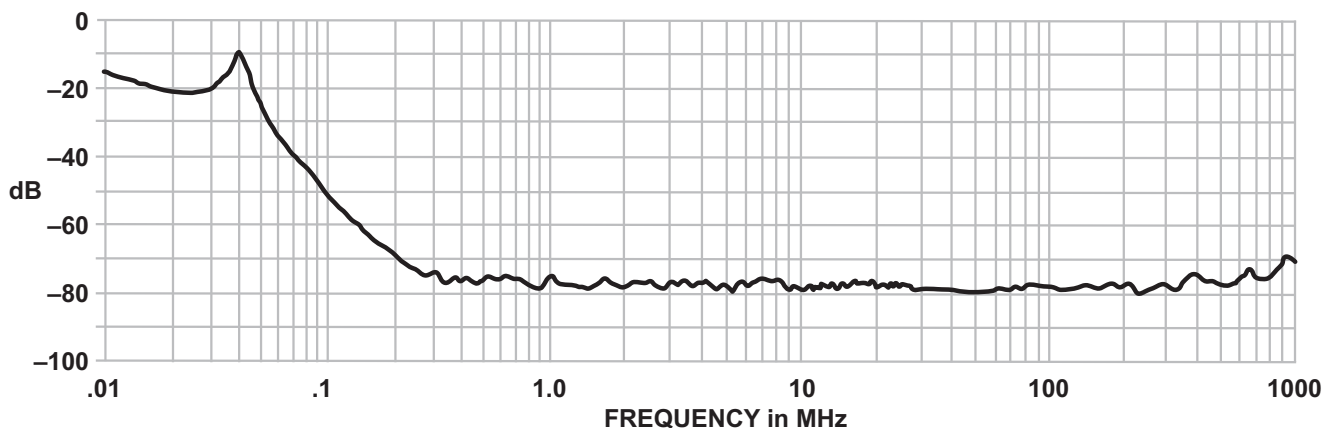


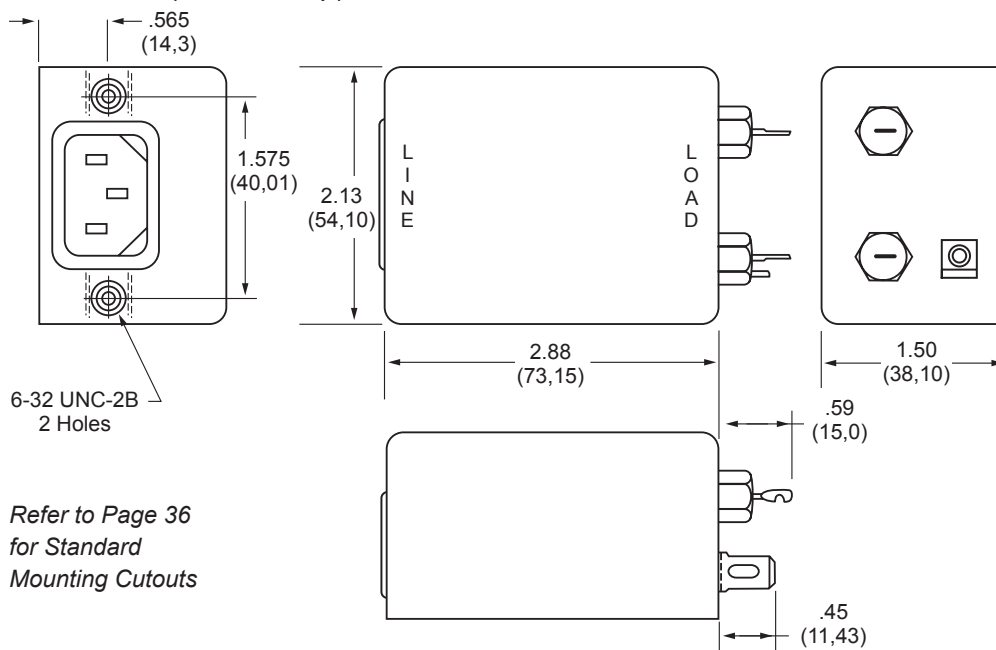
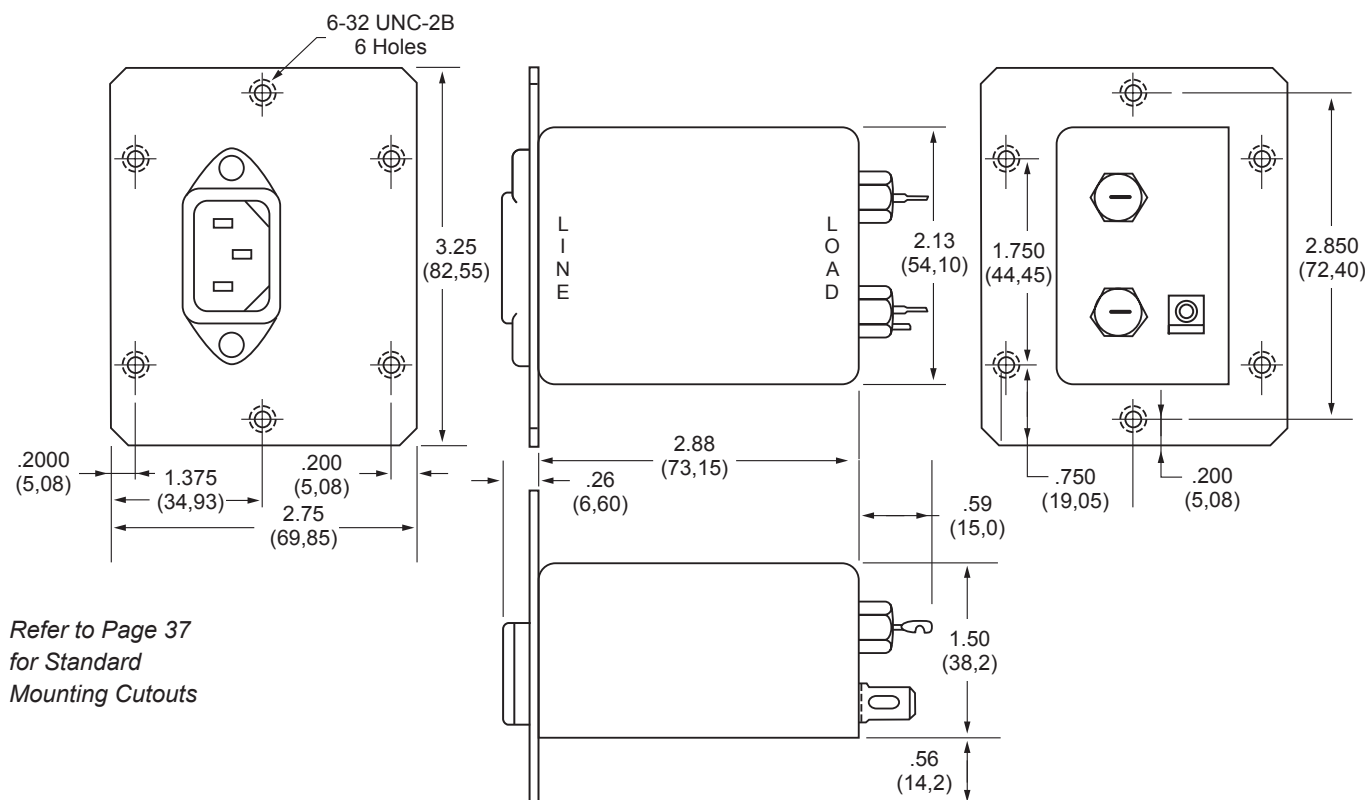
Nominal Current Rating	Part Number	Termination Line/Load
3A	F5600CG03	IEC/Solder Tab
	F5600FG03	Fused IEC/Solder Tab
6A	F5600CG06	IEC/Solder Tab
	F5600FG06	Fused IEC/Solder Tab

F5600 Simplified Schematic



F5600 SERIES TYPICAL COMMON MODE INSERTION LOSS — dB (50 OHM CIRCUIT)



F5600CG (3 and 6Amp) Dimensions**F5601CG (3 and 6Amp) Dimensions with attached mounting plate**

F5700 RFI Filters

Wide Band

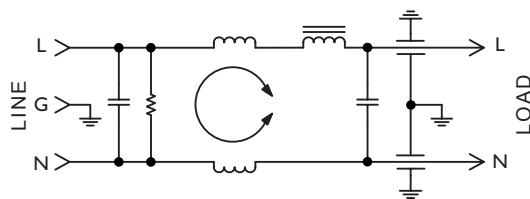
SINGLE PHASE FILTERS



Features:

- Ideal for VDE "B" and MIL-STD-461 Switching Power Supply Applications
- Very High Inductance Design with Differential Mode Choke to Provide Improved Performance Below 100KHz
- Wide-Band Insertion Loss >60dB from 10MHz to 1GHz
- Compact, Space-Efficient Package Available in 3 and 6Amp Ratings

F5700 Simplified Schematic



Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current: 115VAC 250VAC
3A 2A
6A 4A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):

Line to Ground 1400VDC

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

G: Wire Wrap/Solder

Maximum Leakage Current:

Each Line to Ground **F5700**

115VAC, 60Hz: 0.50mA

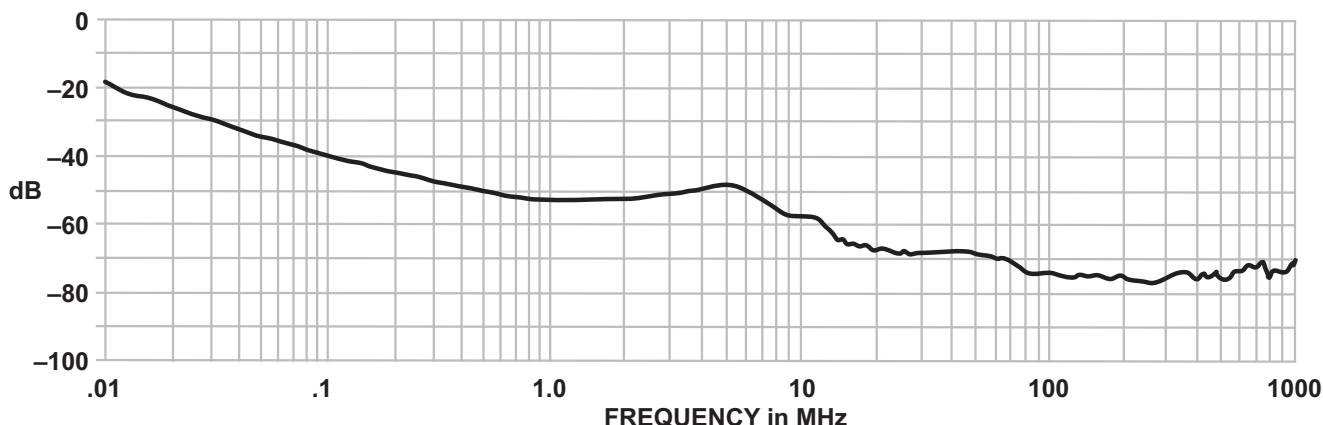
250VAC, 60Hz: 1.20mA

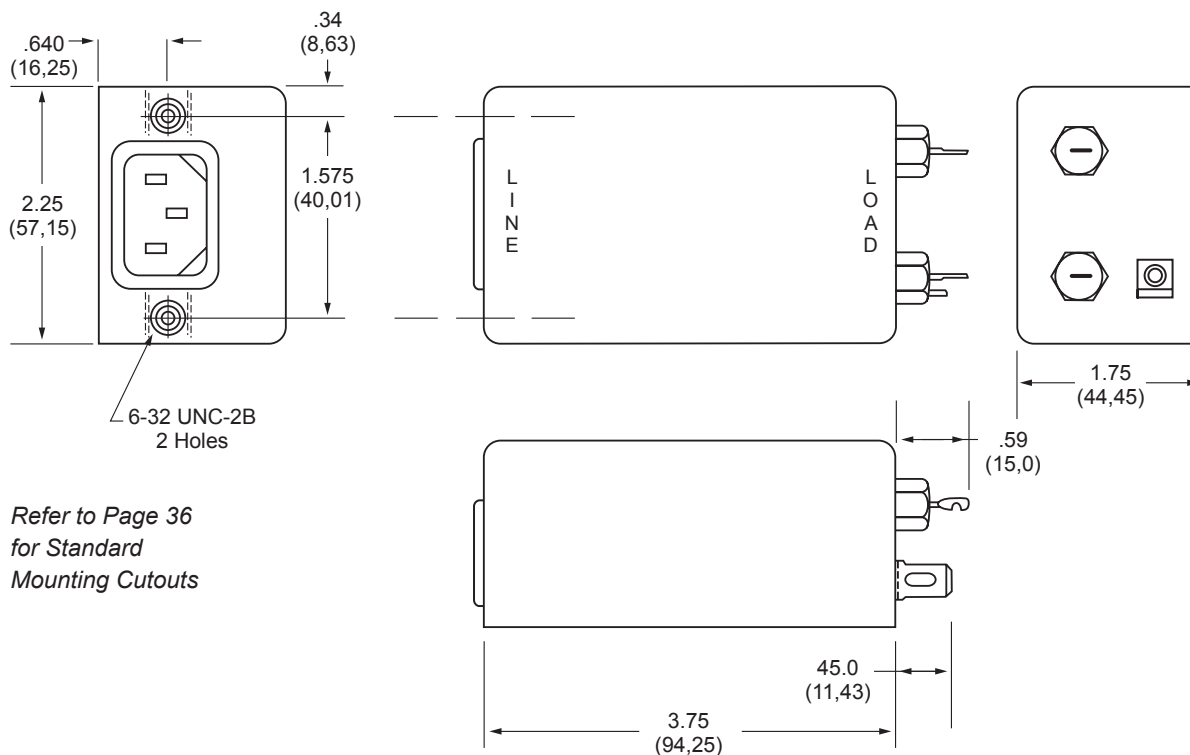
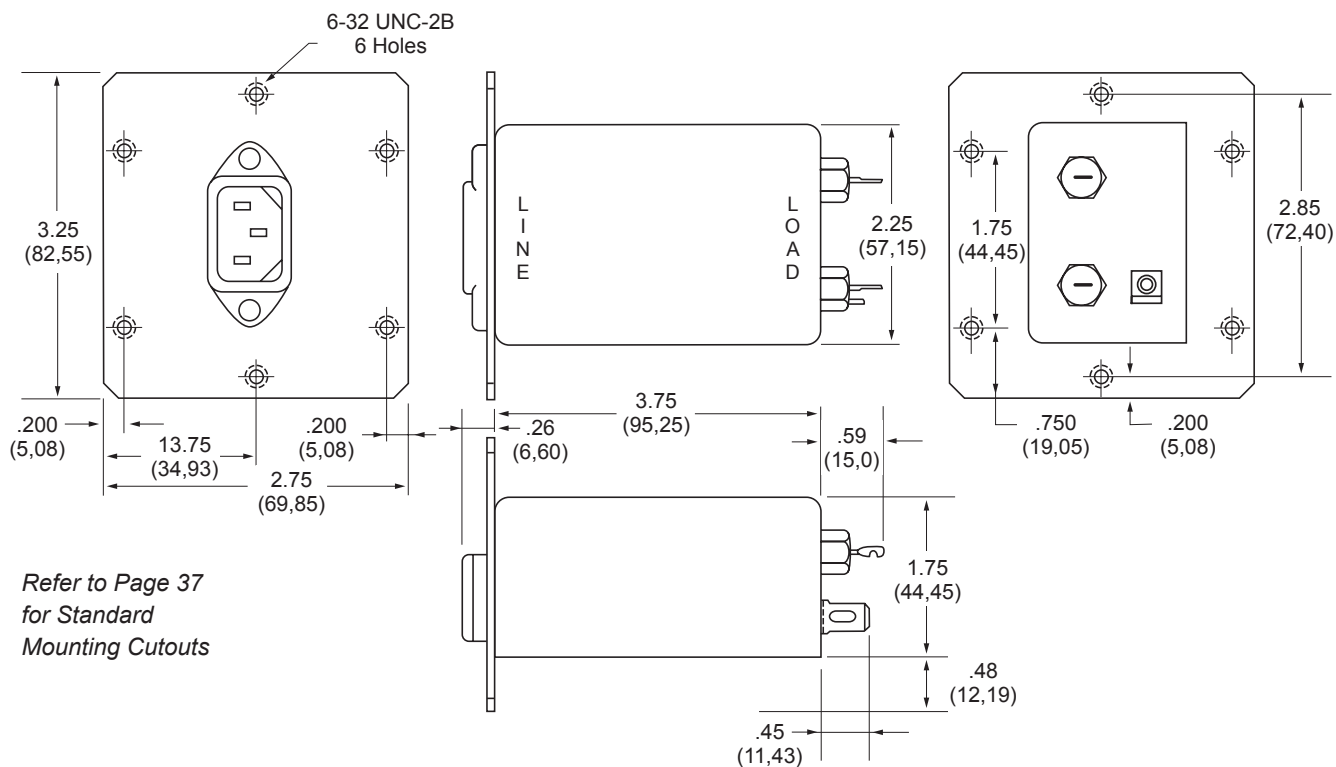
Agency Approvals:



Nominal Current Rating	Part Number	Termination Line/Load
3A	F5700CG03	IEC/ Solder Tab
6A	F5700CG06	IEC/ Solder Tab

F5700 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)

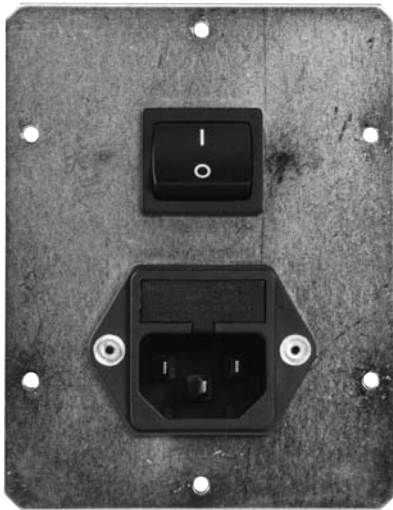


F5700CG (3 and 6Amp) Dimensions**F5701CG** (3 and 6Amp) Dimensions with attached mounting plate

F5900 RFI Filters

Wide Band

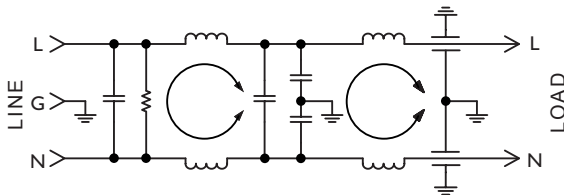
SINGLE PHASE FILTERS



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 **F5900**

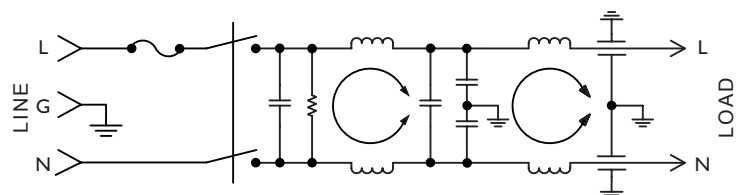
115VAC, 60Hz: 0.50mA

250VAC, 60Hz: 1.20mA

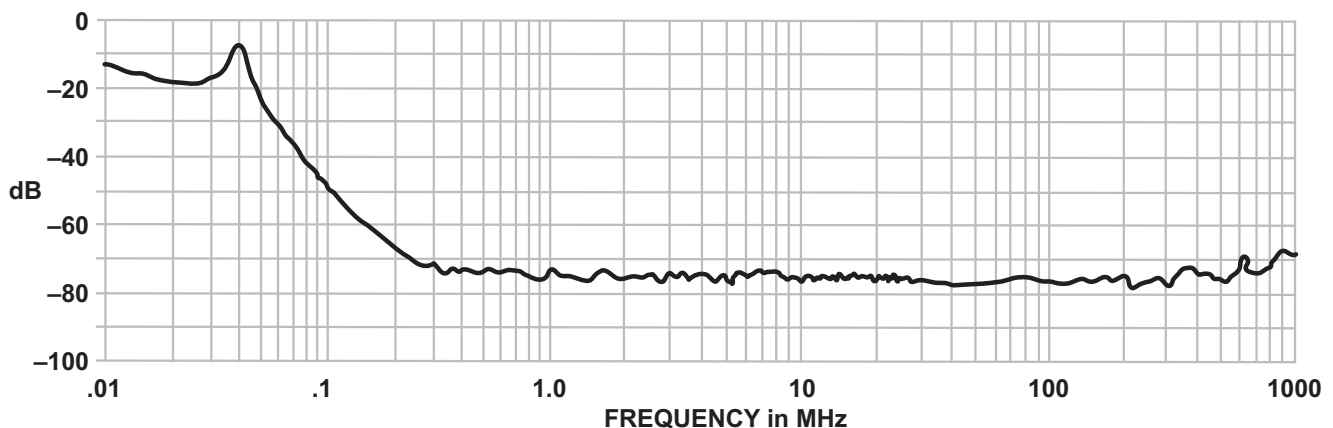
Agency Approvals:



F5900 Simplified Schematic with Switch

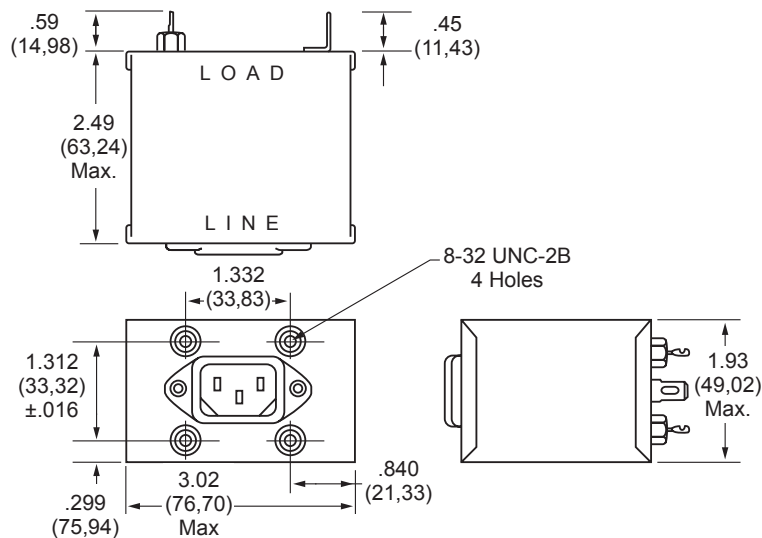


**F5900 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)**



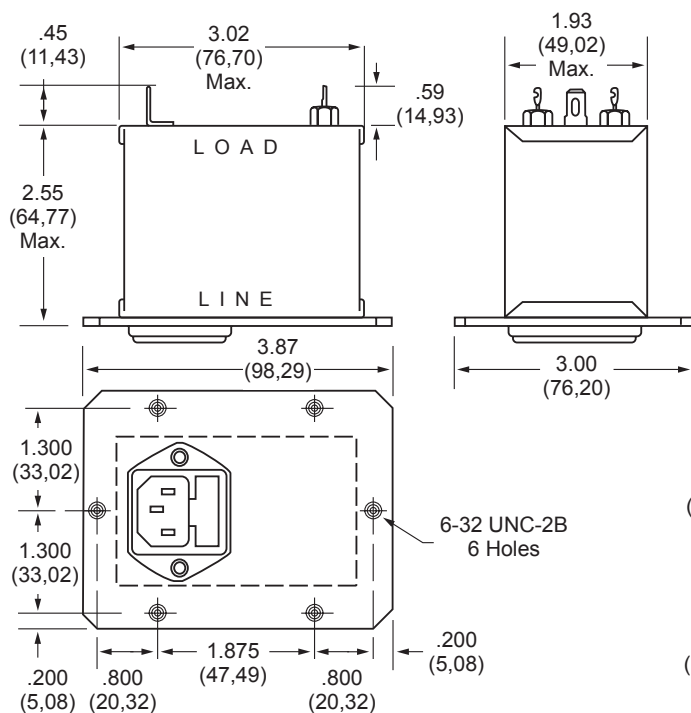
F5900CG (3 and 6Amp) Dimensions

Refer to Page 37
for Standard
Mounting Cutouts



F5900FG (3 and 6Amp) Dimensions

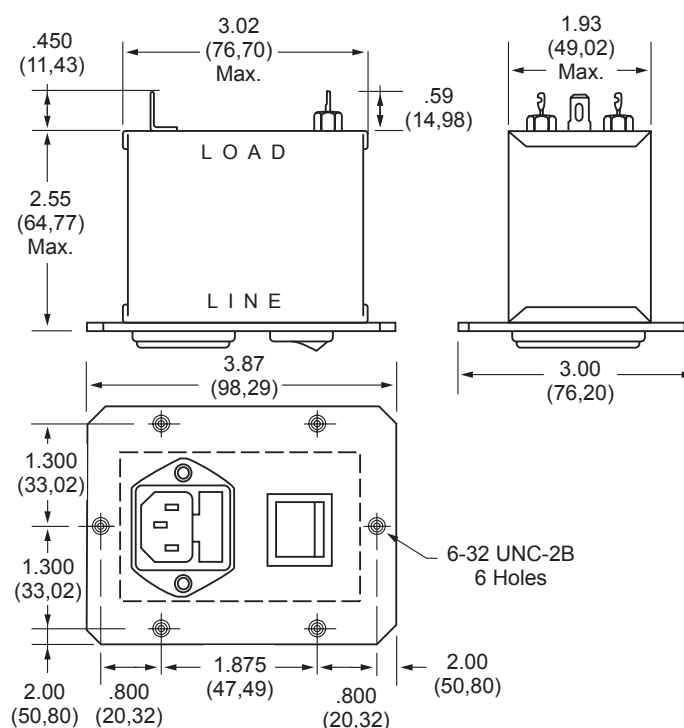
Refer to Page 37 for Standard Mounting Cutouts



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

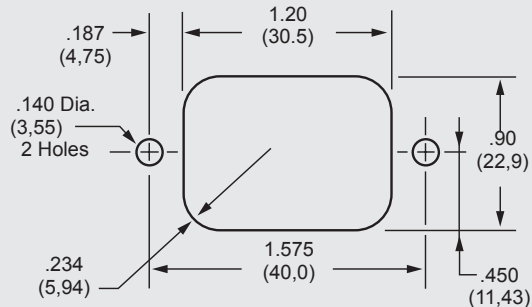
F5900JG (3 and 6Amp) Dimensions

Refer to Page 37
for Standard
Mounting Cutouts

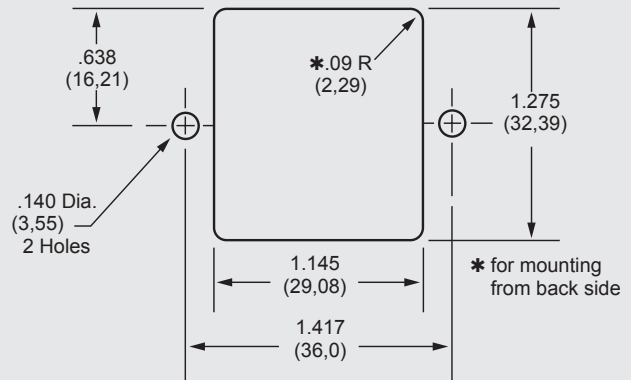


Standard Mounting Cutouts

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

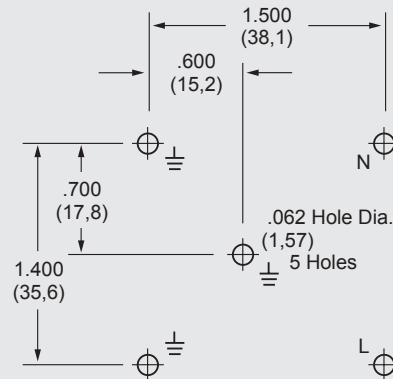
SERIES
PE = Power Entry
PM = Medical
Power Entry

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

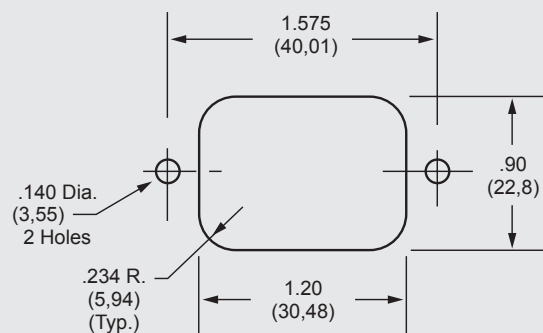
LOAD TERMINATION
A = Quick Connects
B = Wire Leads
D = Screw Terminals
(20 & 30 amp only)
P = Printed Circuit Pins
S = Solder Tab

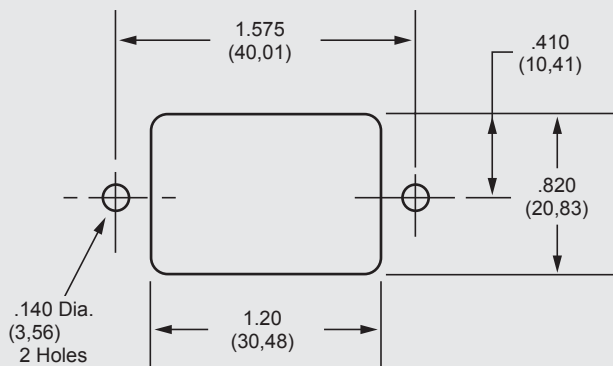
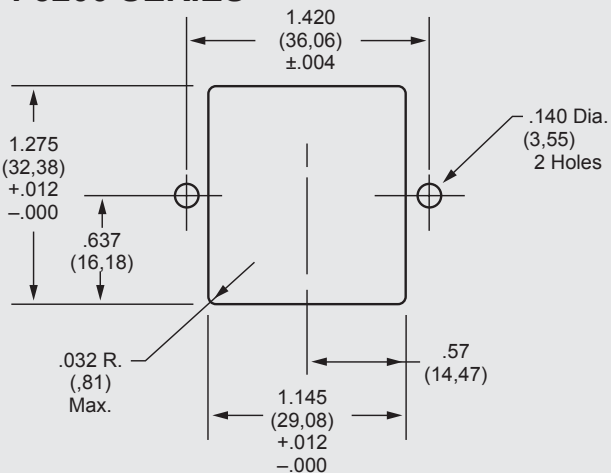
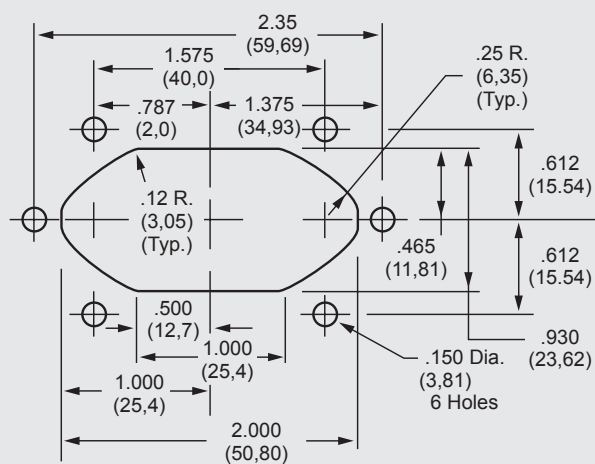
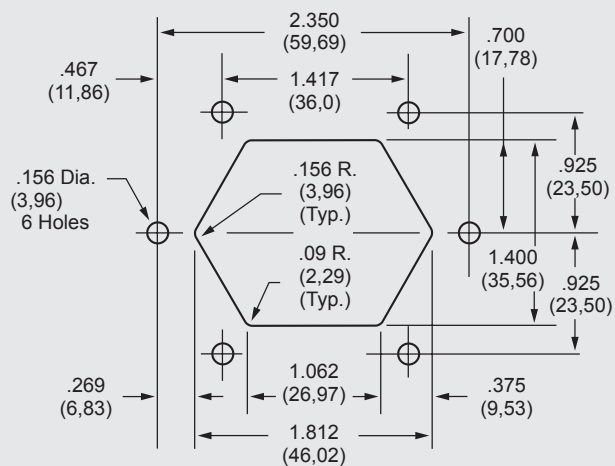
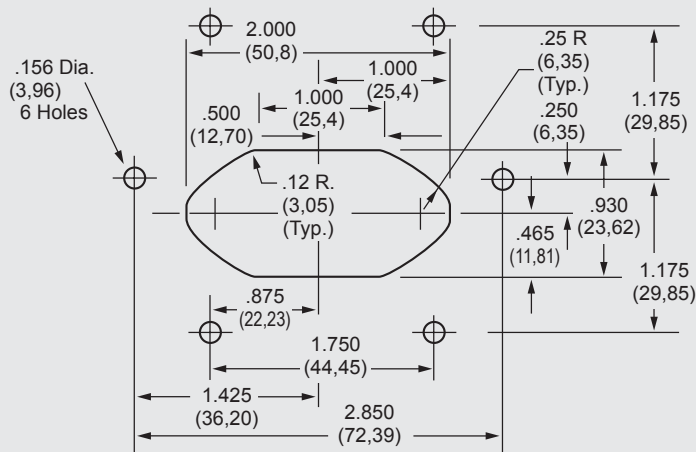
CURRENT RATING
01 = 1 Amp
03 = 3 Amps
06 = 6 Amps
10 = 10 Amps
15 = 15 Amps
20 = 20 Amps
30 = 30 Amps

F1300CP, F1600CP



F5500/5600/5700 SERIES



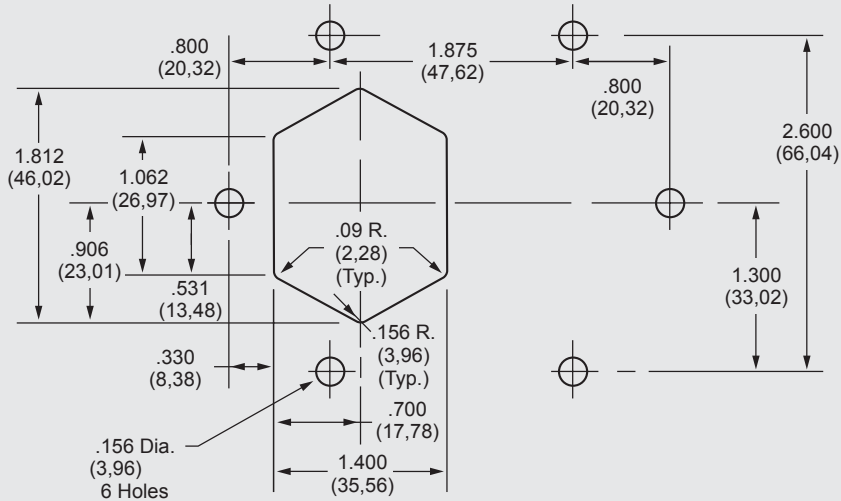
F5100 SERIES**F5200 SERIES****F5101 SERIES****F5201 SERIES****F5501/5601/5701 SERIES**

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

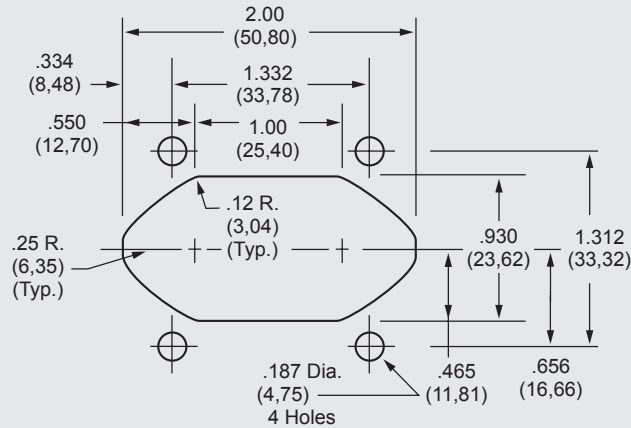


Standard Mounting Cutouts

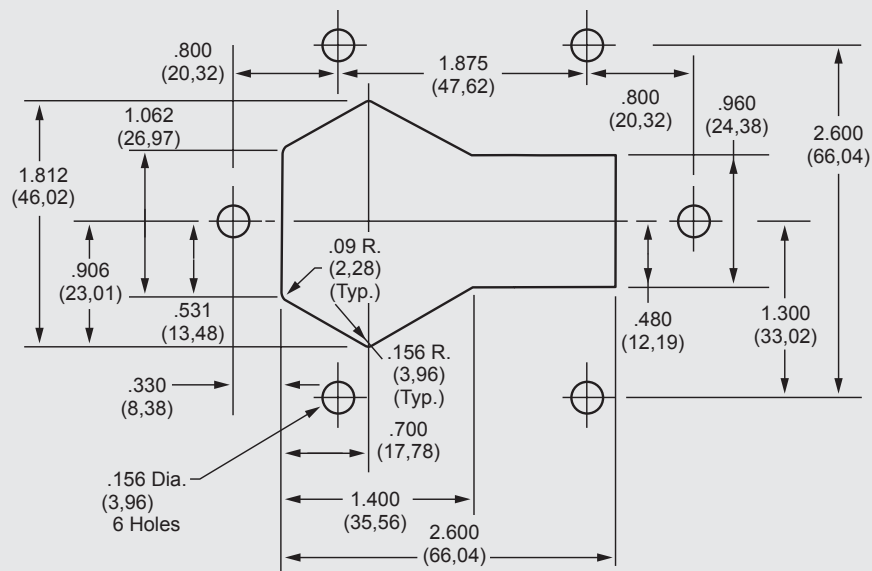
F5900FG



F5900CG



F5900JG



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

