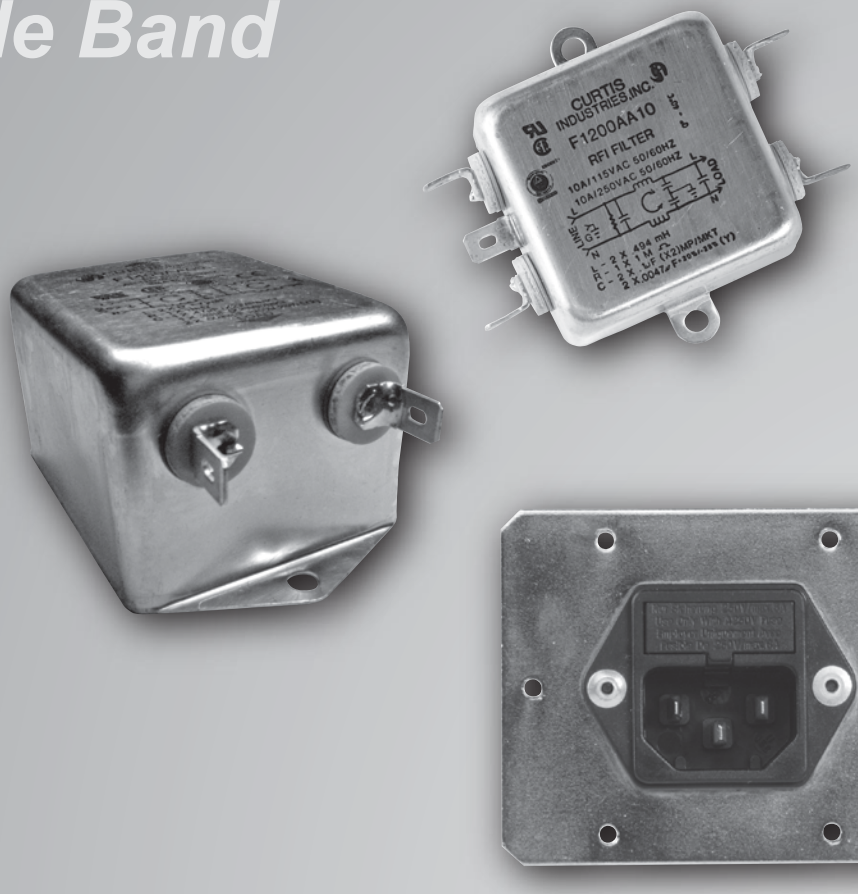
SINGLE PHASE FILTERS

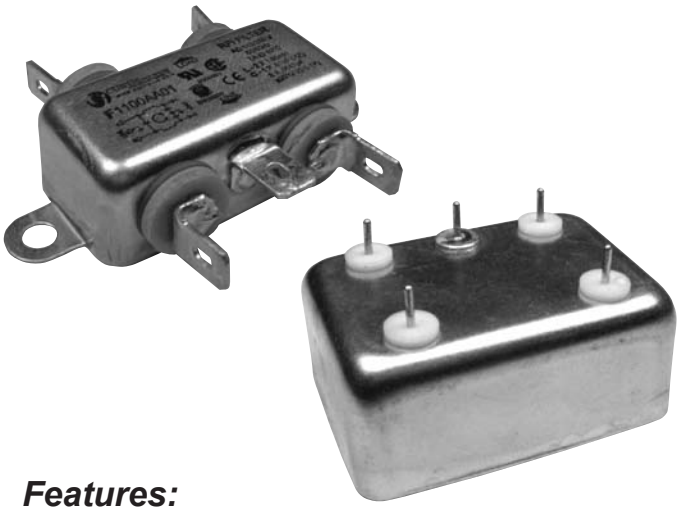
General Performance

High Performance

Wide Band



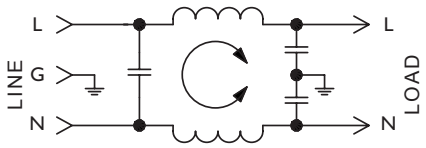
F1100/F1150 RFI Filters



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 x 10^9 Ω 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:

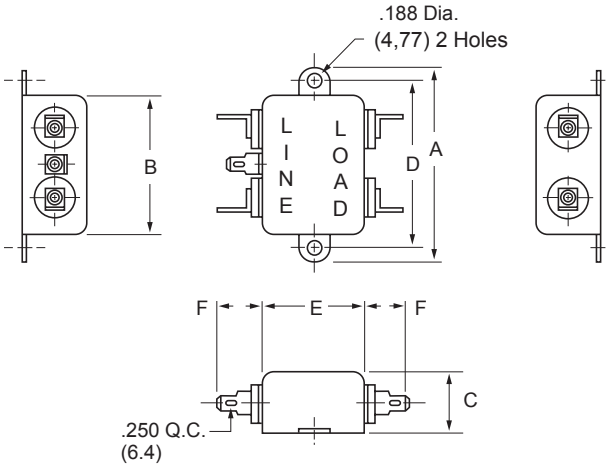
Except 20Amp

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

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

Specifications subject to change.
Dimensions are shown for reference purposes only.

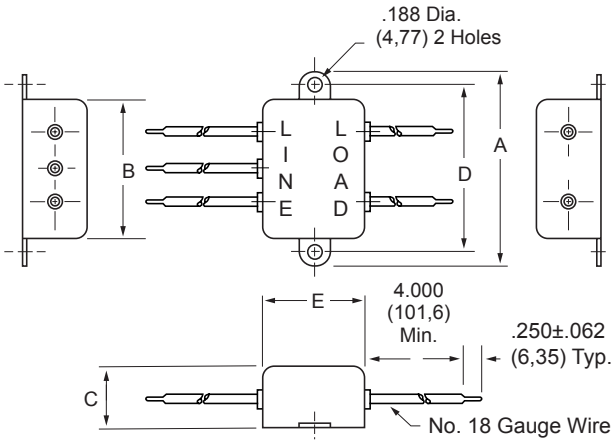
F1100AA/F1150AA (1, 3, 6, 10 and 20Amp) Dimensions



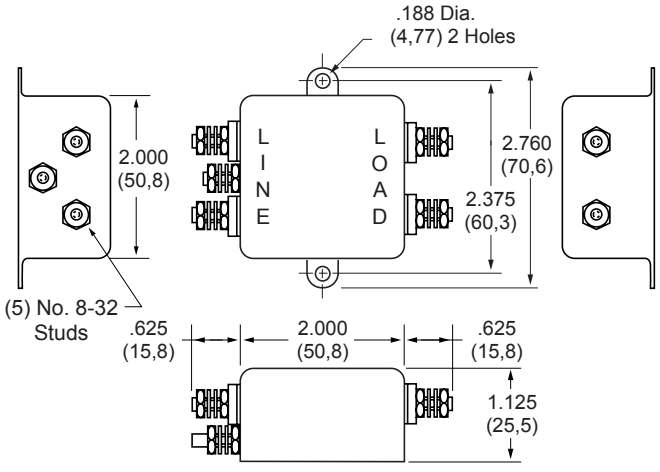
Amps	A	B	C	D	E	F
1A	2.500 (63,5)	1.750 (44,5)	.625 (15,8)	2.125 (53,9)	.875 (22,2)	.550 (14,0)
3A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)	.550 (14,0)
6A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)	.550 (14,0)
10A	2.500 (63,5)	1.750 (44,5)	1.125 (28,5)	2.125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

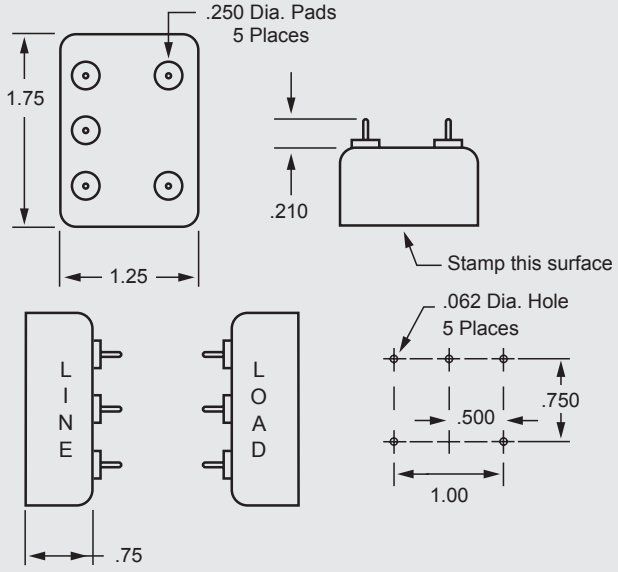
Amps	A	B	C	D	E
1A	2.500 (63,5)	1.750 (44,5)	.625 (15,8)	2.125 (53,9)	.875 (22,2)
3A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)
6A	2.500 (63,5)	1.750 (44,5)	.750 (19,1)	2.125 (53,9)	1.250 (31,8)
10A	2.500 (63,5)	1.750 (44,5)	1.125 (28,5)	2.125 (53,9)	1.250 (31,8)



F1100DD/F1150DD
(20Amp Only) Dimensions



F1100PP Recommended PC Mounting



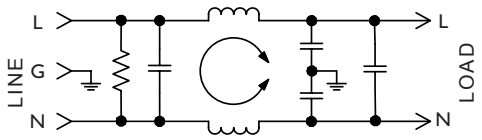
Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.

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

F1200/F1250 Simplified Schematic



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 x 10^9 Ω 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:

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

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** **F1200BB01**	QC/QC Wire/Wire	Common **Differential**	20 **4**	35 **38**	43 **59**	52 **66**	55 **62**	50 **54**
	F1250AA01 **F1250BB01**	QC/QC Wire/Wire	Common **Differential**	20 **4**	30 **38**	37 **59**	50 **66**	50 **62**	50 **54**
3A	**F1200AA03** **F1200BB03** **F1200CA03**	QC/QC Wire/Wire IEC/QC	Common **Differential**	20 **4**	35 **38**	43 **59**	52 **70**	55 **64**	50 **59**
	F1250AA03 **F1250BB03** **F1250CA03**	QC/QC Wire/Wire IEC/QC	Common **Differential**	20 **4**	30 **38**	37 **59**	50 **70**	50 **64**	50 **59**
6A	**F1200AA06** **F1200BB06** **F1200CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **9**	22 **25**	30 **48**	46 **70**	50 **70**	45 **62**
	F1250AA06 **F1250BB06** **F1250CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **9**	20 **25**	27 **48**	45 **70**	45 **70**	45 **62**
10A	**F1200AA10** **F1200BB10** **F1200CA10**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **10**	22 **16**	30 **43**	46 **70**	50 **70**	45 **66**
	F1250AA10 **F1250BB10** **F1250CA10**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **10**	20 **16**	27 **43**	45 **70**	45 **70**	45 **66**
20A	**F1200AA20** **F1200DD20**	QC/QC Screw/Screw	Common **Differential**	10 **9**	22 **19**	30 **44**	42 **70**	47 **70**	40 **70**
	F1250AA20 **F1250DD20**	QC/QC Screw/Screw	Common **Differential**	10 **9**	20 **19**	25 **44**	38 **70**	40 **70**	40 **70**
30A	**F1200DD30**	Screw/Screw	Common **Differential**	7 **11**	15 **13**	20 **44**	34 **70**	42 **60**	40 **57**

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

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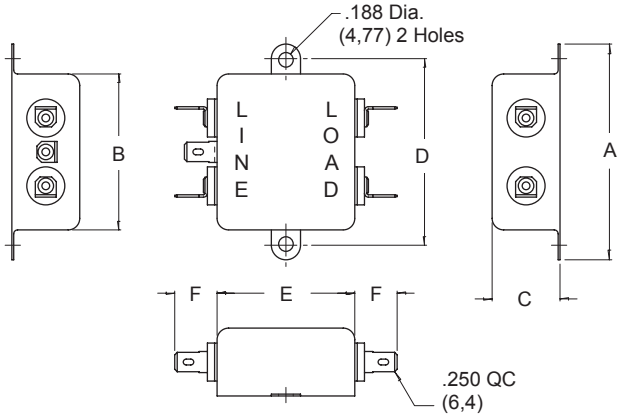
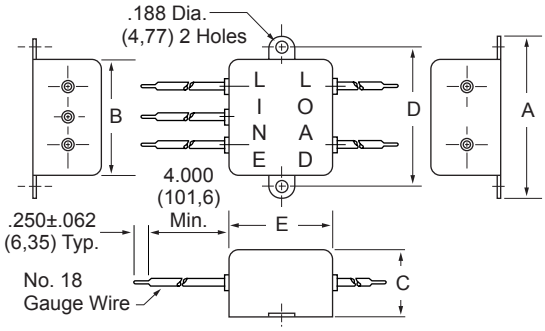
Specifications subject to change.
Dimensions are shown for reference purposes only.

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



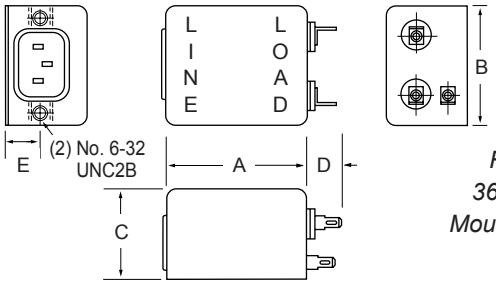
Amps	A	B	C	D	E	F
1A	2.750 (69,9)	2.00 (50,8)	.875 (22,2)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
3A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
6A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (60,3)	1.750 (44,5)	.550 (14,0)
10A	2.750 (69,9)	2.00 (50,8)	1.125 (28,5)	2.375 (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)

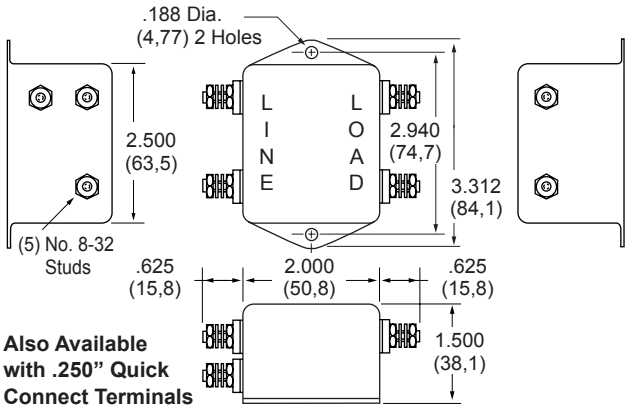
F1200CA/F1250CA (3, 6, and 10Amp) Dimensions



Refer to Page 36 for Standard Mounting Cutouts

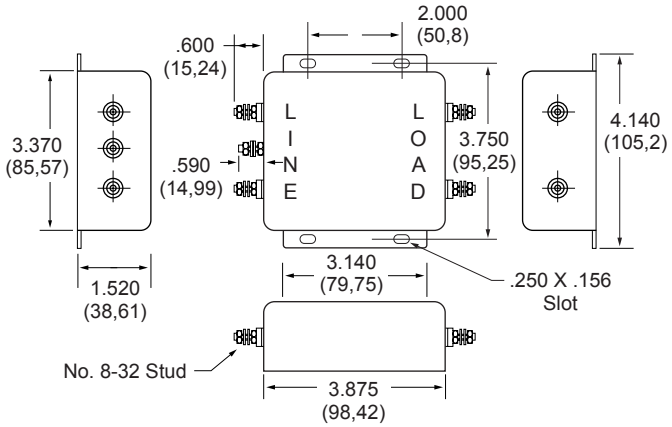
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.50 (38,1)	.550 (14,0)	.565 (14,44)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.750 (19,1)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.750 (19,1)

F1200DD/F1250DD
(20Amp Only) Dimensions



Also Available with .250" Quick Connect Terminals

F1200DD30
(30Amp Only) Dimensions



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

F1300 RFI 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 x 10^9 Ω 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	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** **F1300BB01**	QC/QC Wire/Wire	Common **Differential**	40 **2**	65 **57**	65 **69**	65 **70**	65 **70**	65 **60**
	F1350AA01 **F1350BB01**	QC/QC Wire/Wire	Common **Differential**	30 **2**	60 **57**	65 **69**	65 **70**	65 **70**	65 **60**
3A	**F1300AA03** **F1300BB03** **F1300CA03** **F1300CP03**	QC/QC Wire/Wire IEC/QC IEC/PC	Common **Differential**	40 **7**	65 **64**	65 **70**	65 **70**	65 **70**	65 **58**
	F1350AA03 **F1350BB03** **F1350CA03** **F1350CP03**	QC/QC Wire/Wire IEC/QC IEC/PC	Common **Differential**	30 **7**	60 **64**	65 **70**	65 **70**	65 **70**	65 **58**
6A	**F1300AA06** **F1300BB06** **F1300CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	12 **10**	48 **40**	60 **70**	65 **70**	65 **70**	65 **60**
	F1350AA06 **F1350BB06** **F1350CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	2 **10**	40 **40**	60 **70**	65 **70**	65 **70**	65 **60**
10A	**F1300AA10** **F1300BB10** **F1300CA10**	QC/QC Wire/Wire IEC/QC	Common **Differential**	12 **13**	48 **13**	60 **64**	65 **70**	65 **67**	65 **56**
	F1350AA10 **F1350BB10**	QC/QC Wire/Wire	Common **Differential**	2 **13**	40 **13**	60 **64**	65 **70**	65 **67**	65 **56**
15A	**F1300AA15**	QC/QC	Common **Differential**	14 **15**	35 **10**	44 **45**	56 **70**	58 **67**	55 **56**
20A	**F1300AA20**	QC/QC	Common **Differential**	5 —	44 —	60 **35**	65 **60**	65 **57**	60 **45**
	F1350AA20	QC/QC	Common **Differential**	2 **—**	35 **—**	61 **35**	63 **60**	60 **57**	50 **45**

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

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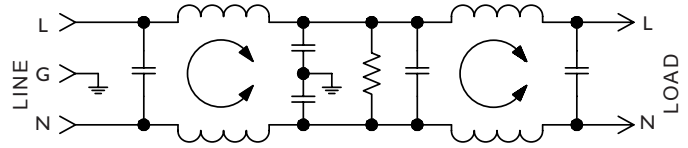
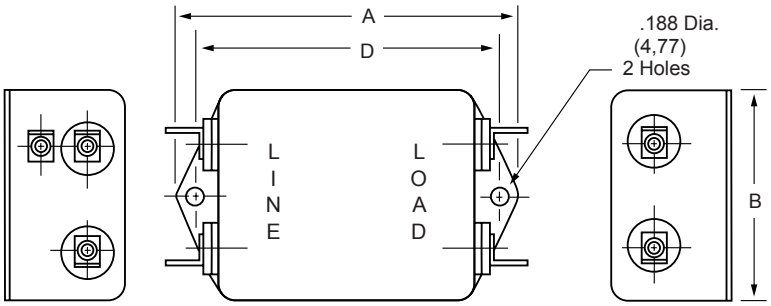
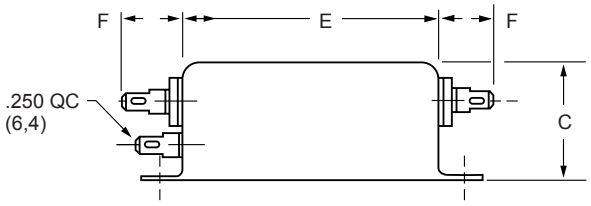
Specifications subject to change.
Dimensions are shown for reference purposes only.

F1300/F1350 Simplified Schematic



F1300AA (1, 3, 6, 10 and 15Amp) **F1350AA** (1, 3, 6 and 10Amp) Dimensions

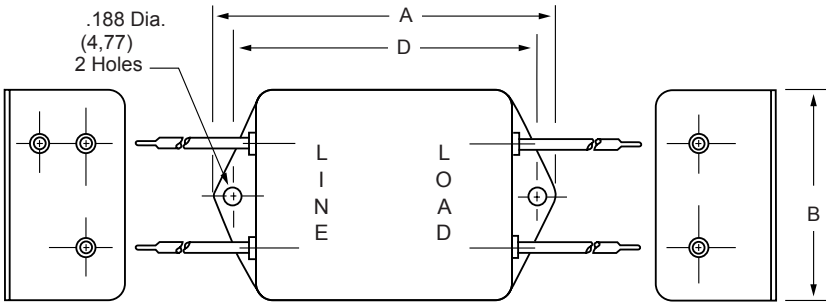


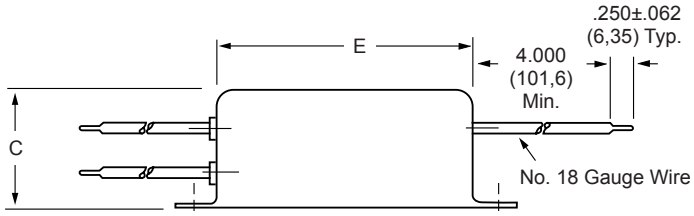


Amps	A	B	C	D	E	F
1A	2.750 (69,9)	1.750 (44,5)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
3A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940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



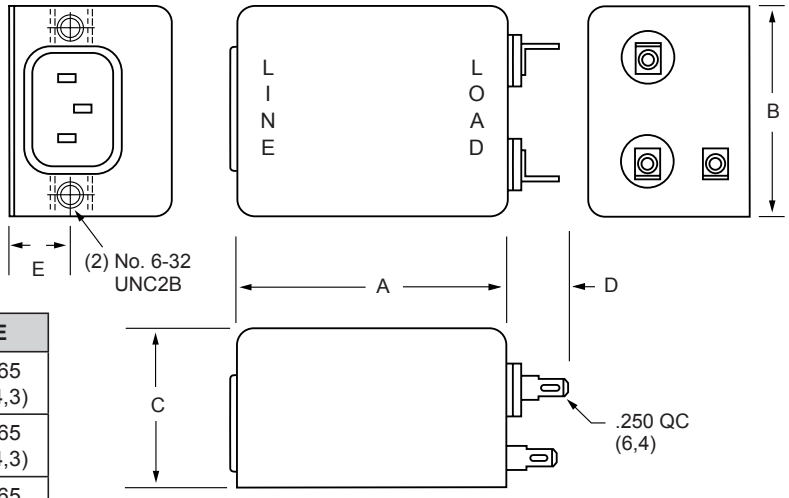


Amps	A	B	C	D	E
1A	2.750 (69,9)	1.750 (44,5)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)
3A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)

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

F1300CA (3, 6 and 10Amp)
F1350CA (3 and 6Amp) Dimensions

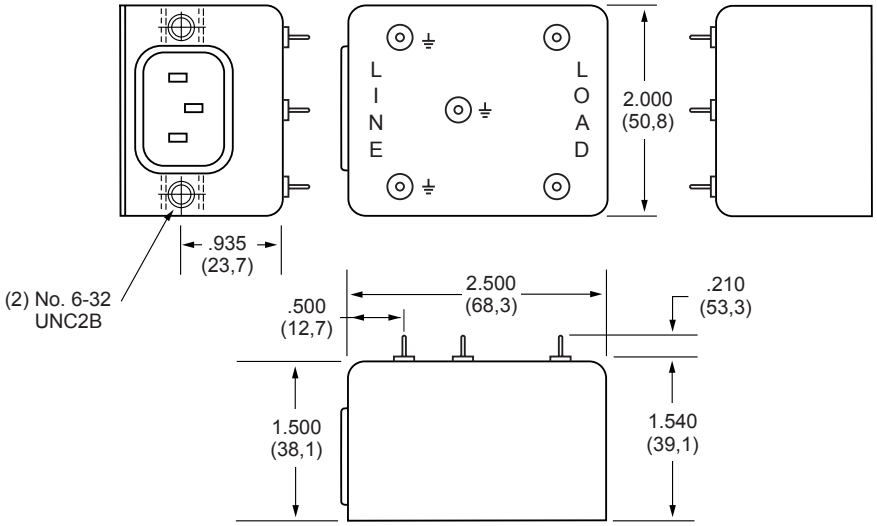
Refer to Page 36 for Standard Mounting Cutouts



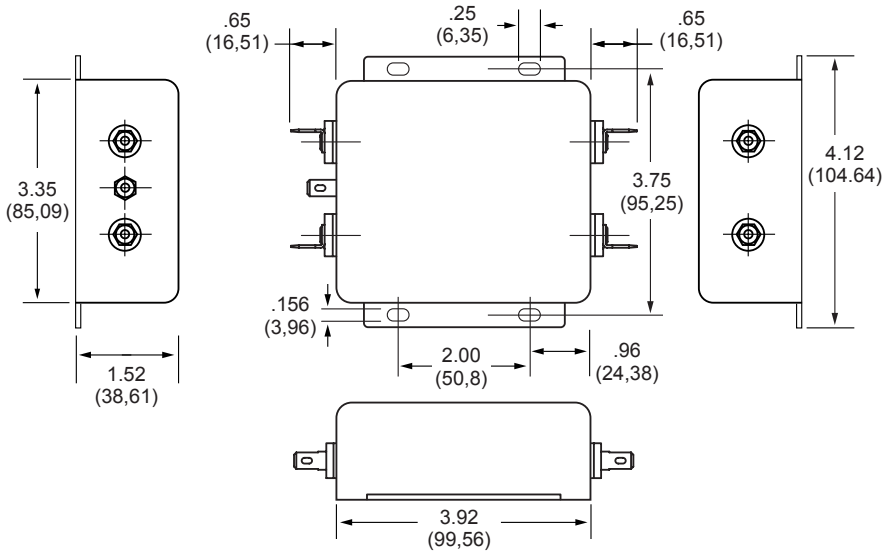
Amps	A	B	C	D	E
3A	2.500 (63,6)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.880 (73,1)	2.120 (53,8)	1.500 (38,1)	.65 (16,0)	.565 (14,3)

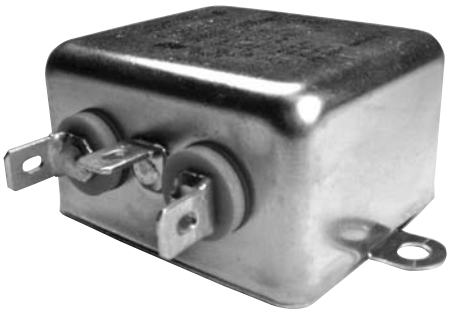
F1300CP/F1350CP
(3Amp Only) Dimensions

Refer to Page 36 for Standard Mounting Cutouts



F1300AA/F1350AA
(20Amp Only) Dimensions

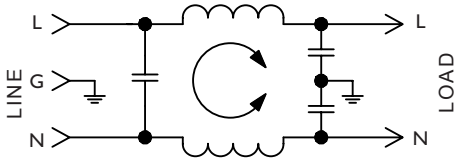




Features:

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

F1900 Simplified Schematic

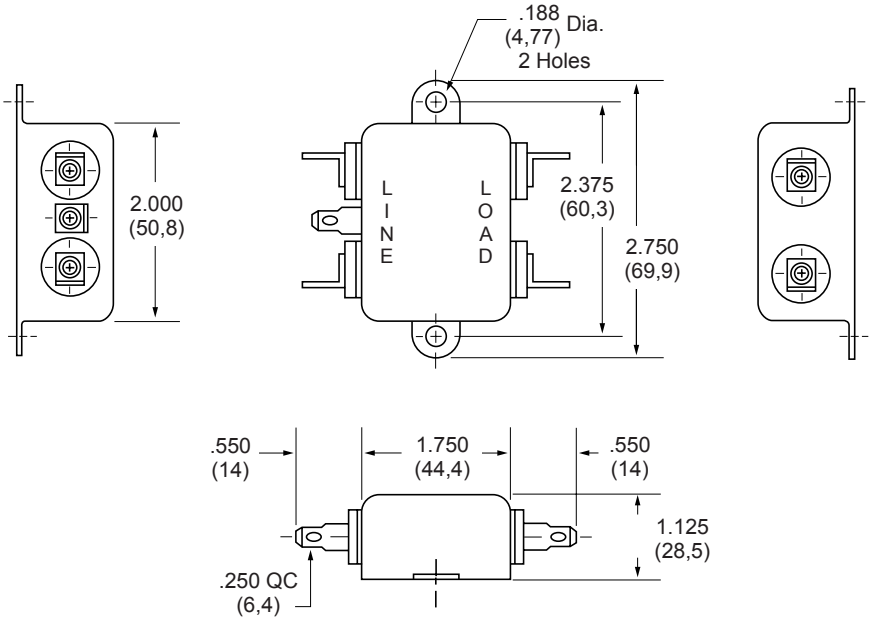


Specifications:

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 x 10^9 Ω at 100VDC
Ambient Temperature: 40°C Max. at rated urrent
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:

F1900AA

(3 and 6Amp) Dimensions



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	**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.

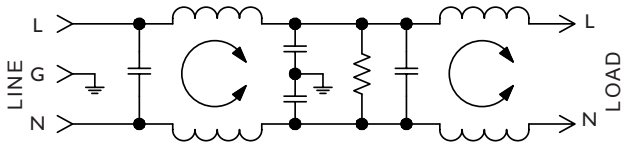
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

F1400 RFI 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 x 10^9 Ω 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

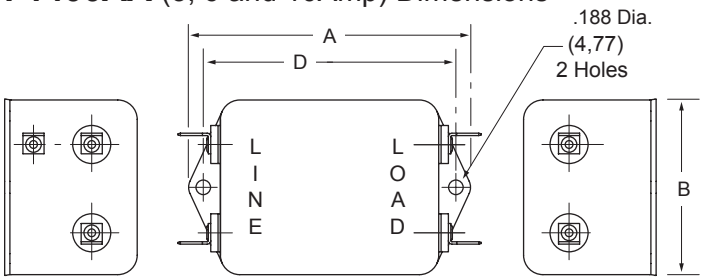
Agency Approvals:

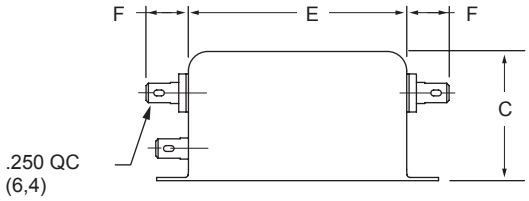
Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz .15	.50	1.0	5.0	10	30
3A	**F1400AA03** **F1400BB03** **F1400CA03**	QC/QC Wire/Wire IEC/QC	Common **Differential**	58 **40**	65 **60**	65 **65**	65 **65**	60 **65**	44 **60**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

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

Specifications subject to change.
Dimensions are shown for reference purposes only.

F1400AA (3, 6 and 10Amp) Dimensions

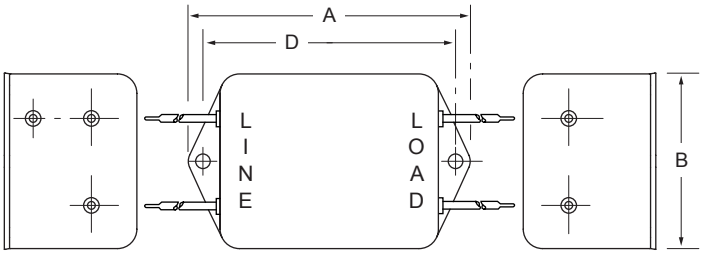


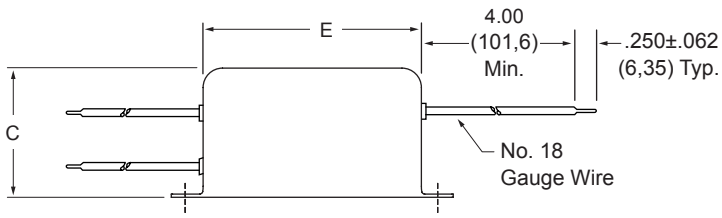


Amps	A	B	C	D	E	F
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	4.70 (119,4)	2.250 (57,1)	1.750 (44,4)	4.250 (107,9)	3.750 (95,3)	.550 (14,0)

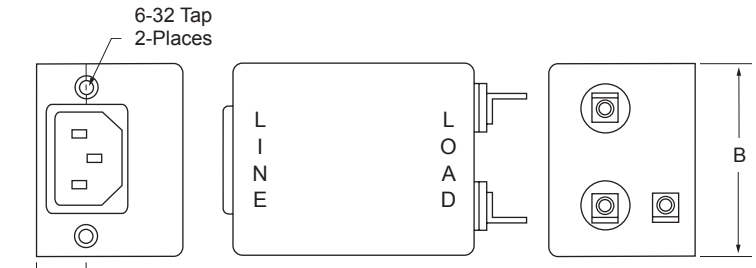
F1400BB (3, 6 and 10Amp) Dimensions

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)

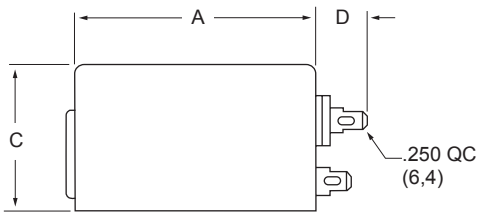




F1400CA (3 and 6Amp) Dimensions



Refer to Page 36 for Standard Mounting Cutouts



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)

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

F1500 RFI 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

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 x 10^9 Ω at 100VDC

Ambient Temperature: 40°C Max. at rated current

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

Termination:

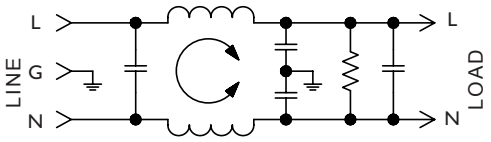
A: QC – Quick Connect
B: Wire
C: IEC Receptacle
F: IEC Receptacle with Fuse Holder

Maximum Leakage Current:

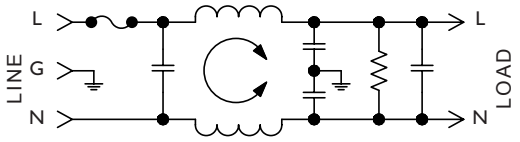
Each Line to Ground	**F1500**
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

Agency Approvals:

F1500AX/F1500CX Simplified Schematic



F1500FX Simplified Schematic



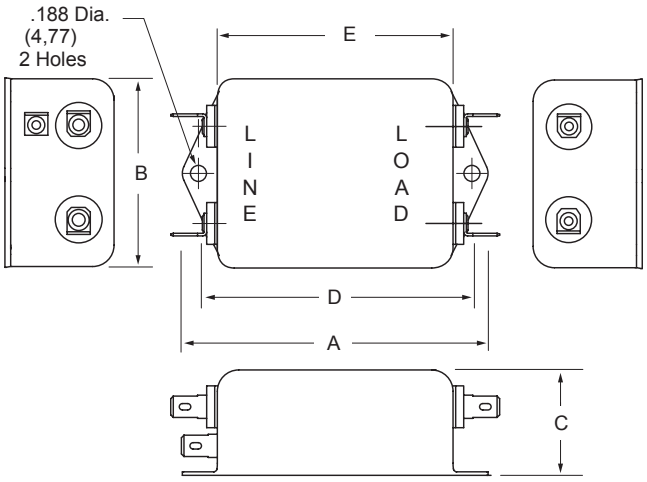
Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)						
			MODE	Frequency - MHz .15	.50	1.0	5.0	10	30
3A	**F1500AA03** **F1500CA03** **F1500FA03** **F1500CB03**	QC/QC IEC/QC Fused IEC/QC QC/Wire	Common **Differential**	32 **35**	43 **60**	50 **65**	50 **60**	50 **55**	50 **40**
6A	**F1500AX06** **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 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)

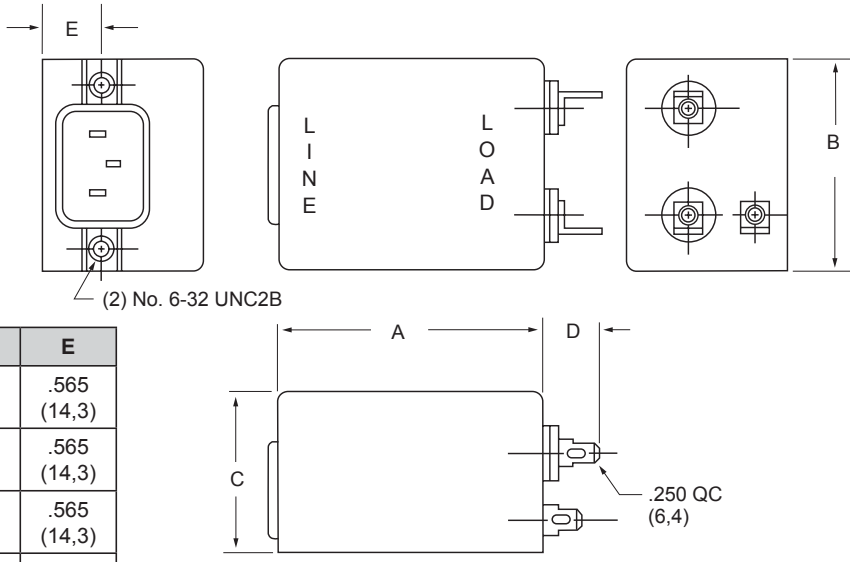


F1500CA
(3, 6, 10 and 15Amp) Dimensions

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

Refer to Page 36 for Standard Mounting Cutouts

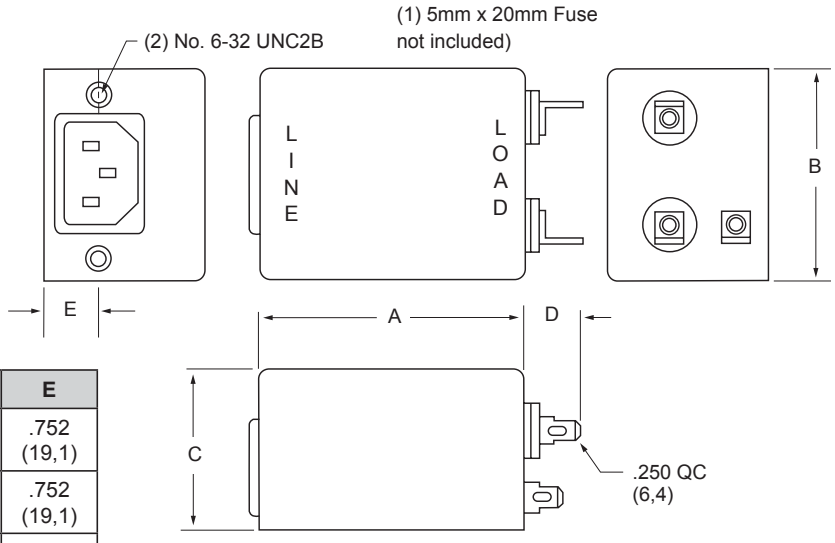
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
15A	3.25 (82,6)	2.25 (57,2)	1.75 (44,5)	.550 (14,0)	.705 (17,9)



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)



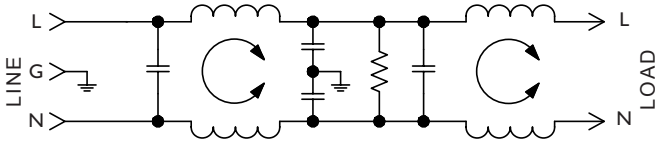
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

F1600 RFI Filters

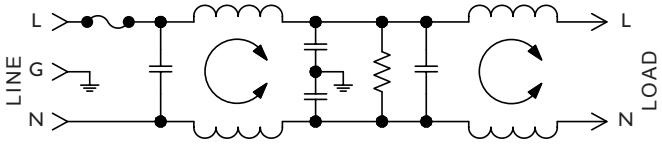
Features:

- 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 x 10^9 Ω 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 **Differential**	52 **40**	65 **50**	65 **60**	65 **65**	65 **65**	65 **50**
6A	**F1600CA06** **F1600CP06** **F1600FA06** **F1600CB06**	IEC/QC IEC/PC Fused IEC/QC IEC/Wire	Common **Differential**	45 **30**	65 **45**	65 **55**	65 **50**	65 **50**	59 **50**
10A	**F1600CA10** **F1600CB10**	IEC/QC IEC/Wire	Common **Differential**	50 **23**	65 **45**	65 **55**	65 **50**	65 **50**	54 **50**

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

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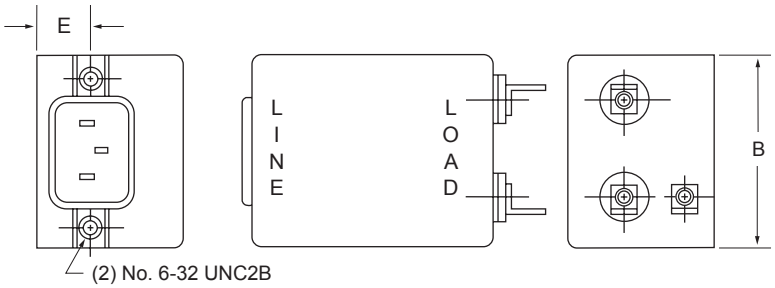
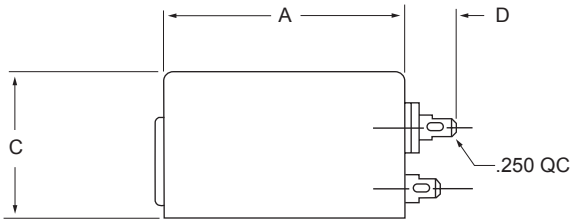
Specifications subject to change.
Dimensions are shown for reference purposes only.

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



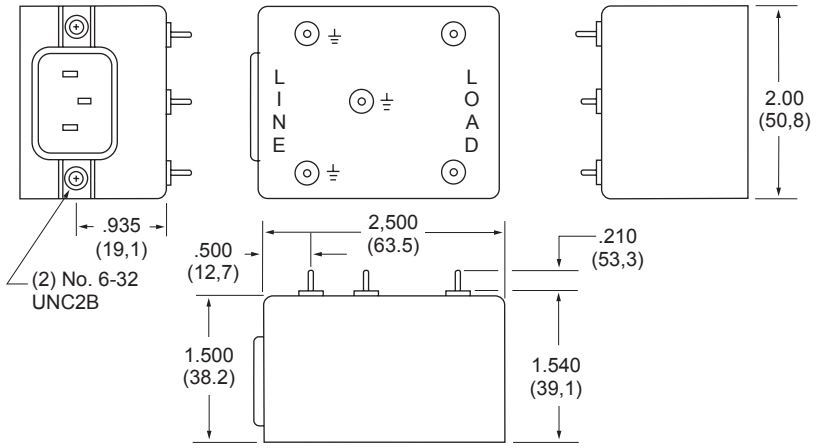
Refer to Page 36 for Standard Mounting Cutouts



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)

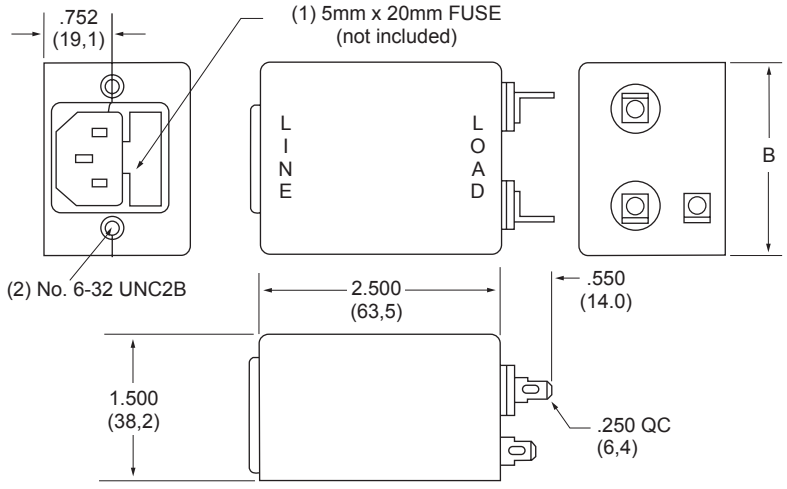
F1600CP
(3 and 6Amp) Dimensions

Refer to Page 36 for Standard Mounting Cutouts



F1600FA
(3 and 6Amp) Dimensions

Refer to Page 36 for Standard Mounting Cutouts



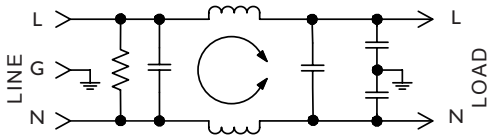
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

F1700 RFI 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 x 10^9 Ω 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:

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

Agency Approvals:

Except 30Amp

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 F1700BB03 F1700CA03**	QC/QC Wire/Wire IEC/QC	Common **Differential**	20 **25**	35 **60**	43 **65**	52 **65**	55 **50**	50 **50**
	F1710AA03	QC/QC	Common **Differential**	20 **25**	34 **60**	40 **65**	45 **65**	45 **50**	40 **50**
	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**
6A	**F1700AA06 F1700BB06 F1700CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **15**	22 **50**	30 **65**	46 **60**	50 **60**	45 **60**
10A	**F1700AA10 F1700BB10 F1700CA10**	QC/QC Wire/Wire IEC/QC	Common **Differential**	10 **20**	22 **45**	30 **60**	46 **65**	50 **60**	45 **55**
20A	**F1700AA20**	QC/QC Screw/Screw	Common **Differential**	10 **15**	22 **45**	30 **60**	42 **65**	47 **60**	40 **55**
	F1700DD20 F1720DD20	Screw/Screw	Common **Differential**	10 **15**	22 **45**	30 **60**	42 **65**	47 **60**	52 **55**
30A	**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.

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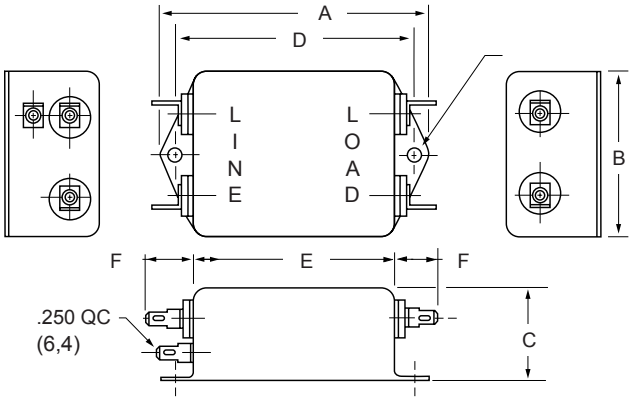
Specifications subject to change.
Dimensions are shown for reference purposes only.

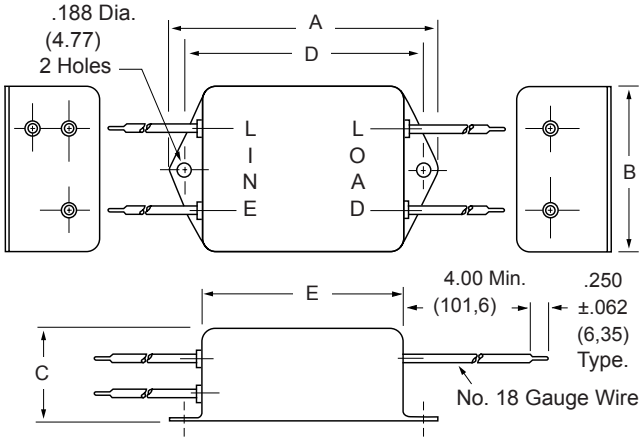
F1700AA, 1710, 1720, 1740
(3, 6 and 10Amp) Dimensions



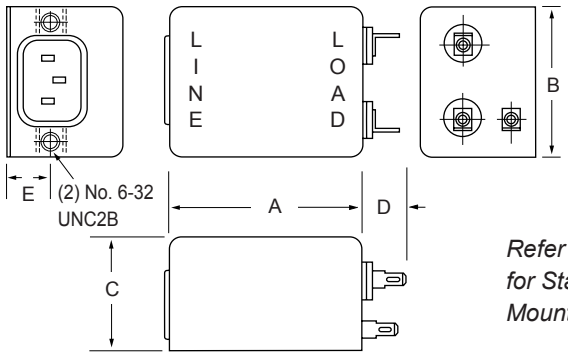
Amps	A	B	C	D	E	F
3A	2.750 (69,8)	1.750 (44,4)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
20A	See 1700DD20 for Case Dimensions					

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)



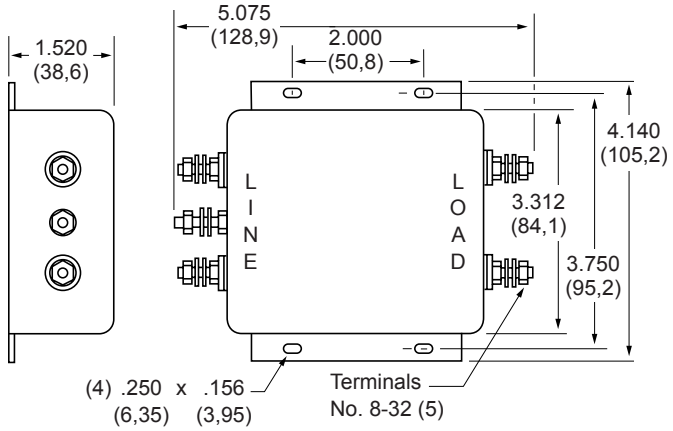
F1700CA (3, 6 and 10Amp) Dimensions



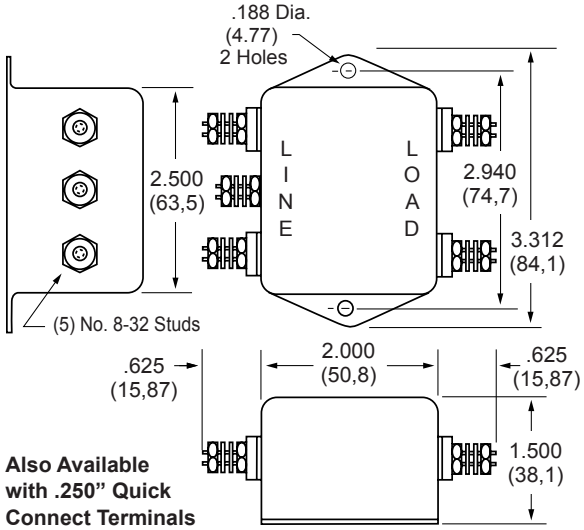
Amps	A	B	C	D	E
3A	2.000 (50,8)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
6A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)
10A	2.500 (63,5)	2.000 (50,8)	1.500 (38,1)	.550 (14,0)	.565 (14,3)

Refer to Page 36 for Standard Mounting Cutouts

F1700DD30 (30Amp) Dimensions



F1700DD20 (20Amp) Dimensions



Also Available with .250" Quick Connect Terminals

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

F1760/F1770/F1780 RFI 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

Specifications:

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

Rated Current: 115VAC 20A, 250VAC 14A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):
Line to Ground 1500VAC
Line to Line 1768VDC

Insulation Resistance: 9 x 10^9 Ω at 100VDC

Ambient Temperature: 40°C Max. at rated current

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

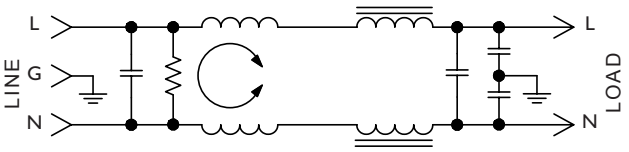
Termination:
A: QC – Quick Connect
D: Screw

Maximum Leakage Current:

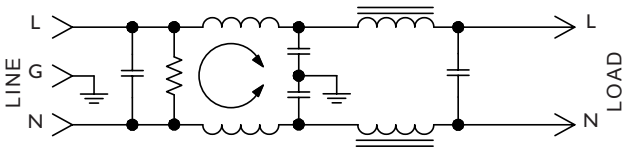
Each Line to Ground	F1760/1770/1780
115VAC, 60Hz:	0.5mA
250VAC, 50Hz:	1.0mA

Agency Approvals:

F1760 Simplified Schematic



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

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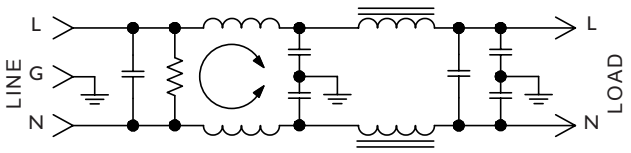
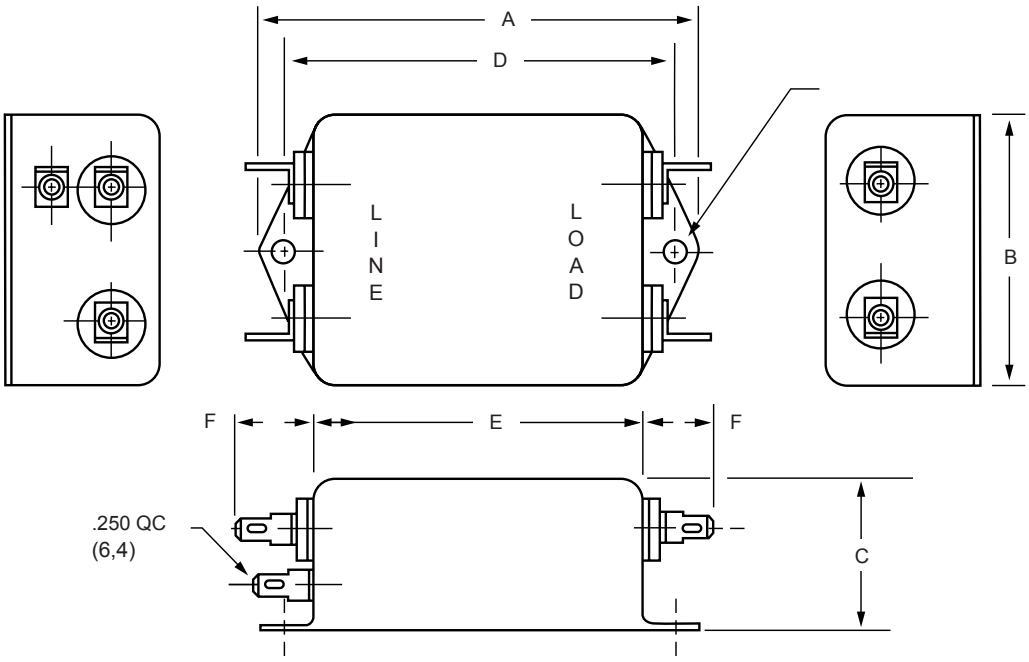
Specifications subject to change.
Dimensions are shown for reference purposes only.

F1780 Simplified Schematic

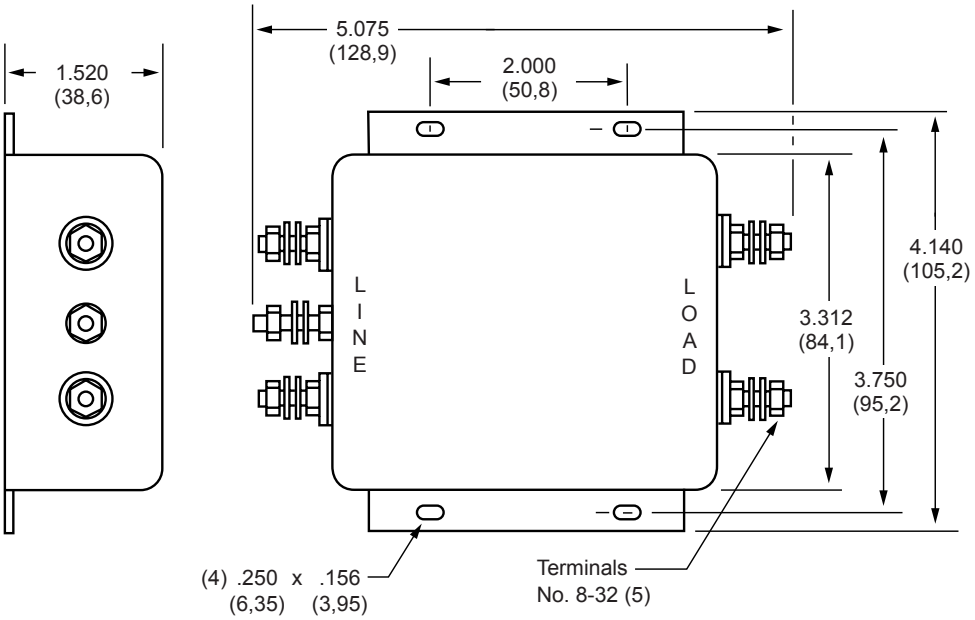


Amps	A	B	C	D	E	F
3A	2.750 (69,8)	1.750 (44,4)	1.125 (28,5)	2.375 (60,3)	2.000 (50,8)	.550 (14,0)
6A	3.312 (84,1)	2.000 (50,8)	1.500 (28,5)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)

F1760/F1770/1780AA
(3, 6, and 10Amp) Dimensions

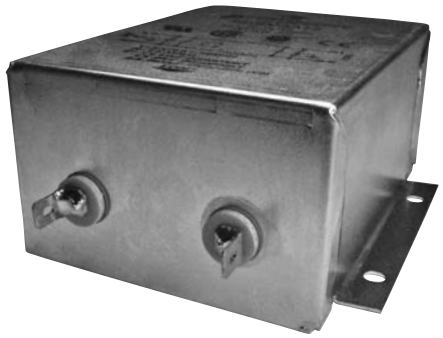


F1760/F1770/1780 (20Amp Only) Dimensions



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

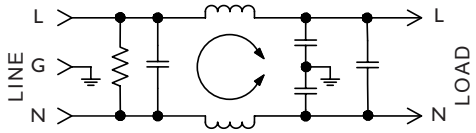
F2800 RFI Filters



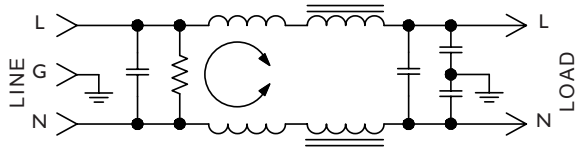
Features:

- 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 x 10^9 Ω 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** **F2800BB03**	QC/QC Wire/Wire	Common **Differential**	10 **5**	30 **25**	35 **50**	35 **60**	35 **65**	40 **50**	45 **45**	50 **45**
6A	**F2800AA06** **F2800BB06**	QC/QC Wire/Wire	Common **Differential**	5 **5**	20 **10**	30 **40**	35 **60**	40 **60**	40 **50**	40 **50**	50 **45**
10A	**F2800AA10** **F2800BB10**	QC/QC Wire/Wire	Common **Differential**	5 **7**	15 **20**	25 **50**	30 **60**	35 **60**	40 **60**	45 **60**	50 **55**
15A	**F2800AA15** **F2800BB15**	QC/QC Wire/Wire	Common **Differential**	8 **10**	21 **30**	29 **70**	33 **70**	36 **70**	38 **70**	45 **70**	50 **60**

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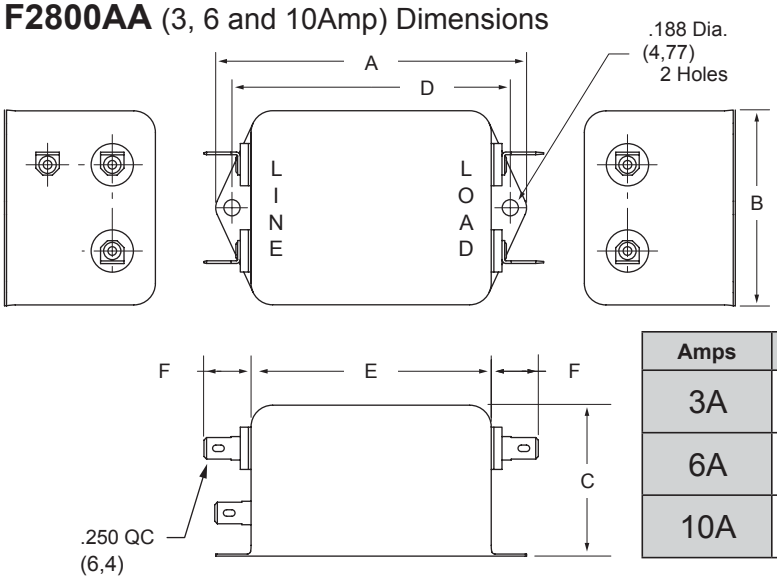
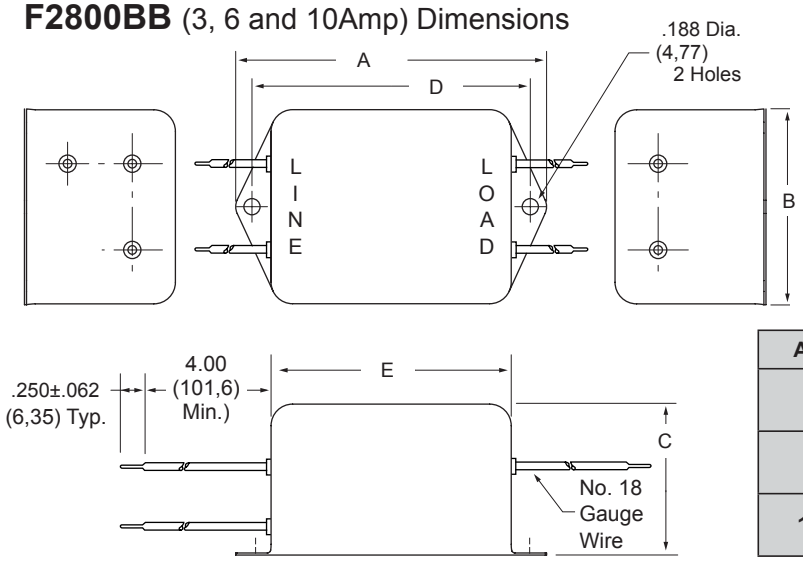
Specifications subject to change.
Dimensions are shown for reference purposes only.

F2800AA (3, 6 and 10Amp) Dimensions



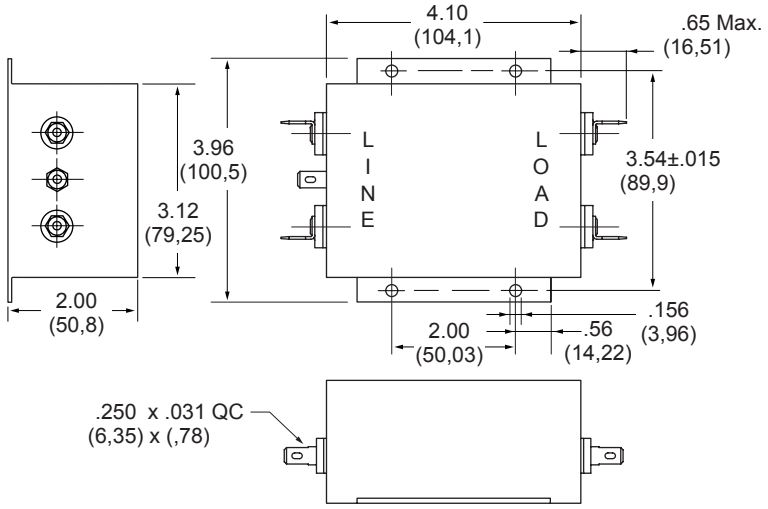
Amps	A	B	C	D	E	F
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	4.44 (113)	2.250 (57,1)	1.750 (44,4)	4.063 (103,2)	3.630 (92,2)	.650 (16,5)

F2800BB (3, 6 and 10Amp) Dimensions

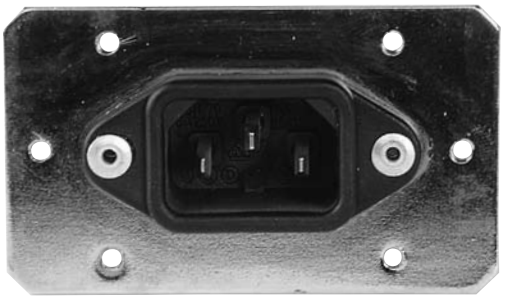


Amps	A	B	C	D	E
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)
10A	4.690 (119)	2.250 (57,1)	1.750 (44,4)	4.063 (103,2)	3.630 (92,2)

F2800AA
F2800BB
(15Amp)
Dimensions



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



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 x 10^9 Ω at 100VDC

Ambient Temperature: 40°C Max. at rated current

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

Termination:

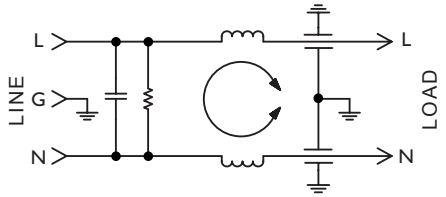
C: IEC Receptacle
G: Wire Wrap/Solder

Maximum Leakage Current:

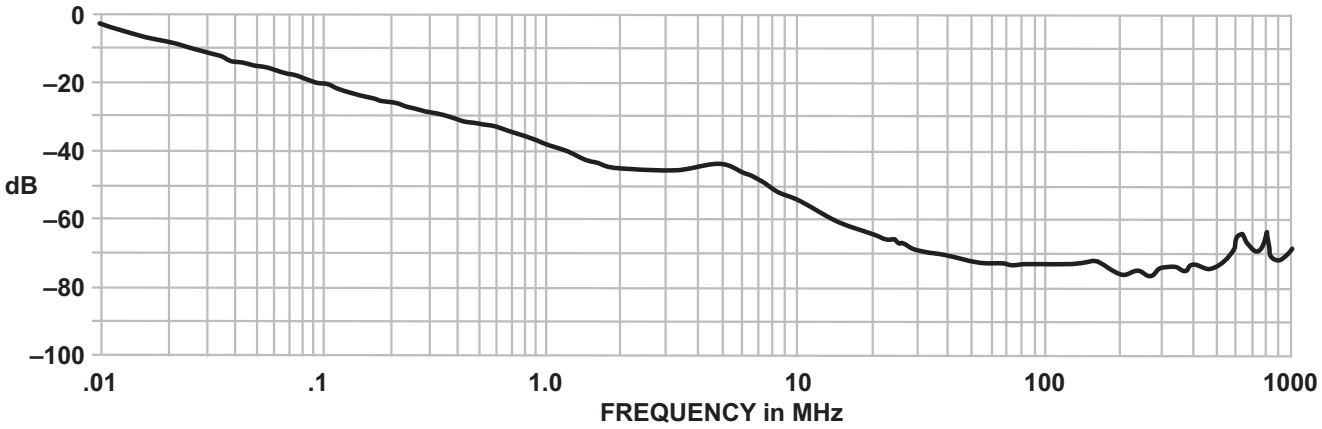
Each Line to Ground	**F5100**
115VAC, 60Hz:	0.25mA
250VAC, 60Hz:	0.50mA

Agency Approvals:

F5100 Simplified Schematic



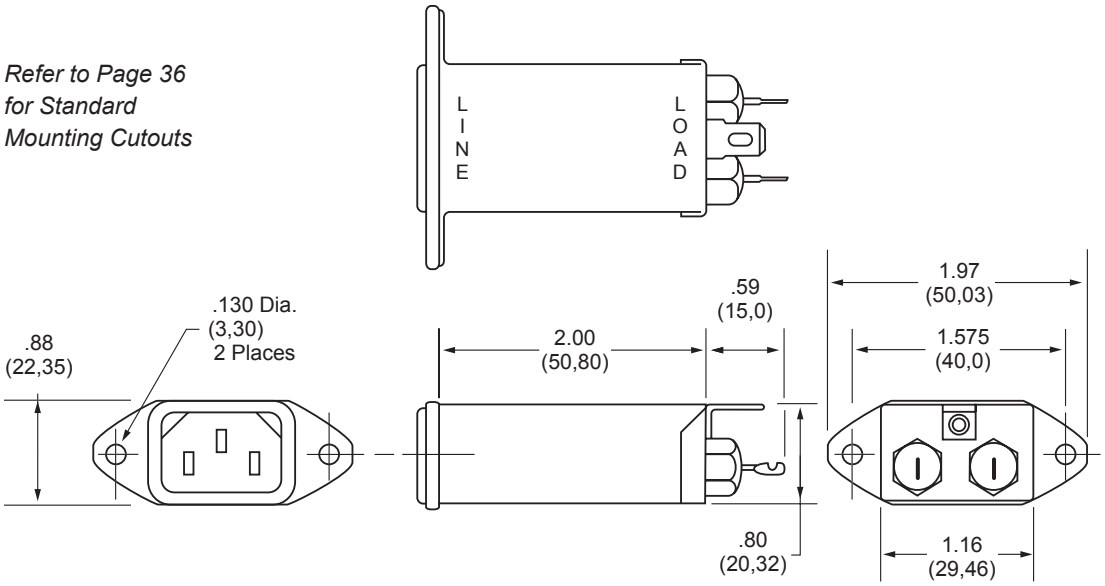
F5100 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)



Specifications subject to change.
Dimensions are shown for reference purposes only.

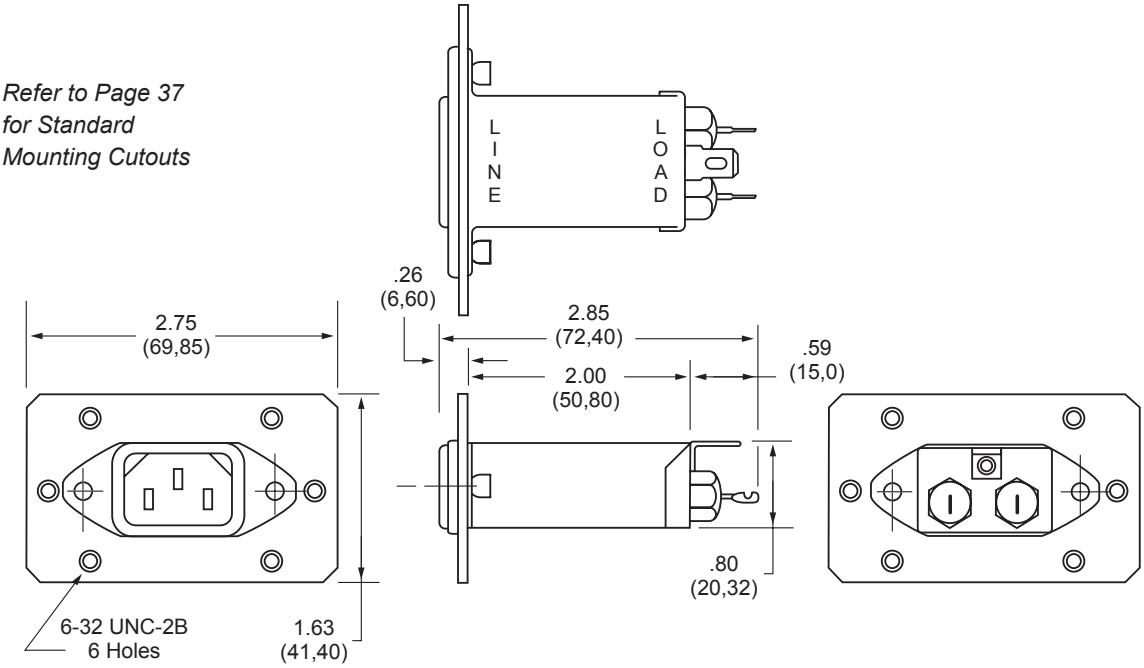
F5100CG (3, 6 and 10Amp) Dimensions

Refer to Page 36 for Standard Mounting Cutouts

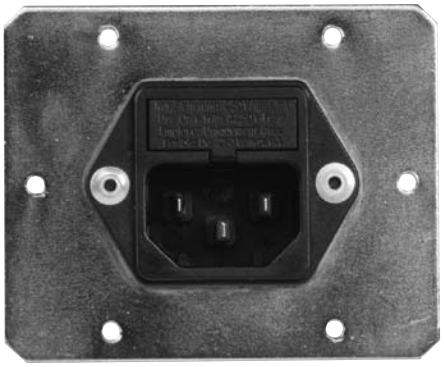


F5101CG (3, 6 and 10Amp) Dimensions with attached mounting plate

Refer to Page 37 for Standard Mounting Cutouts



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



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 x 10^9 Ω at 100VDC

Ambient Temperature: 40°C Max. at rated current

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

Termination:

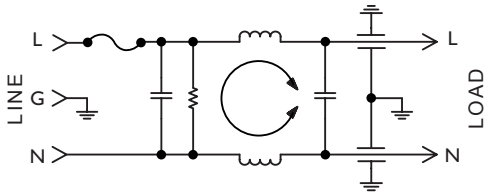
F: Fused IEC Receptacle
G: Wire Wrap/Solder

Maximum Leakage Current:

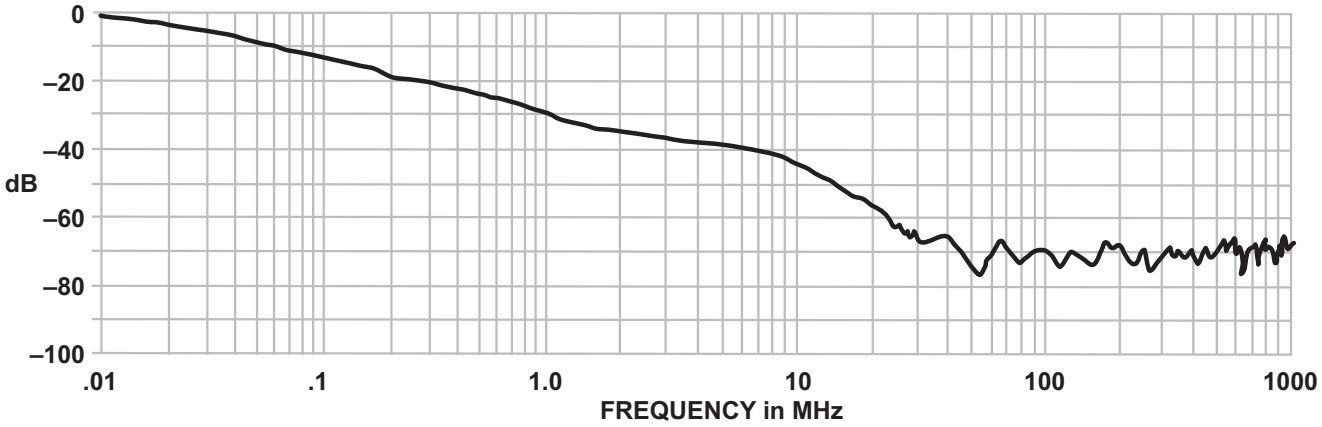
Each Line to Ground	**F5200**
115VAC, 60Hz:	0.25mA
250VAC, 60Hz:	0.50mA

Agency Approvals:

F5200 Simplified Schematic

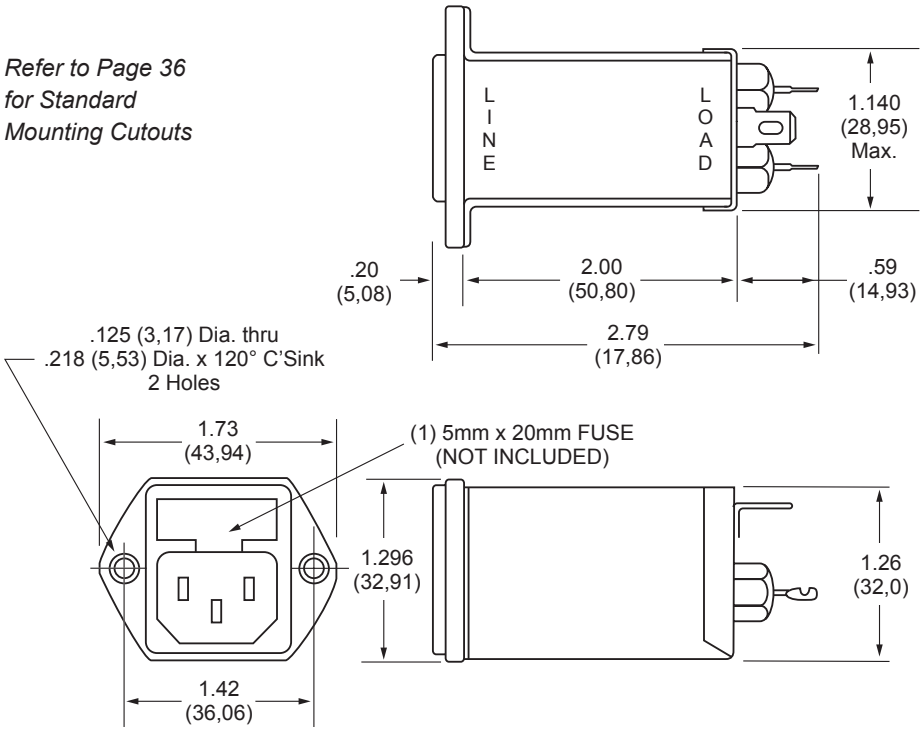


F5200 SERIES
TYPICAL COMMON MODE
INSERTION LOSS — dB
(50 OHM CIRCUIT)



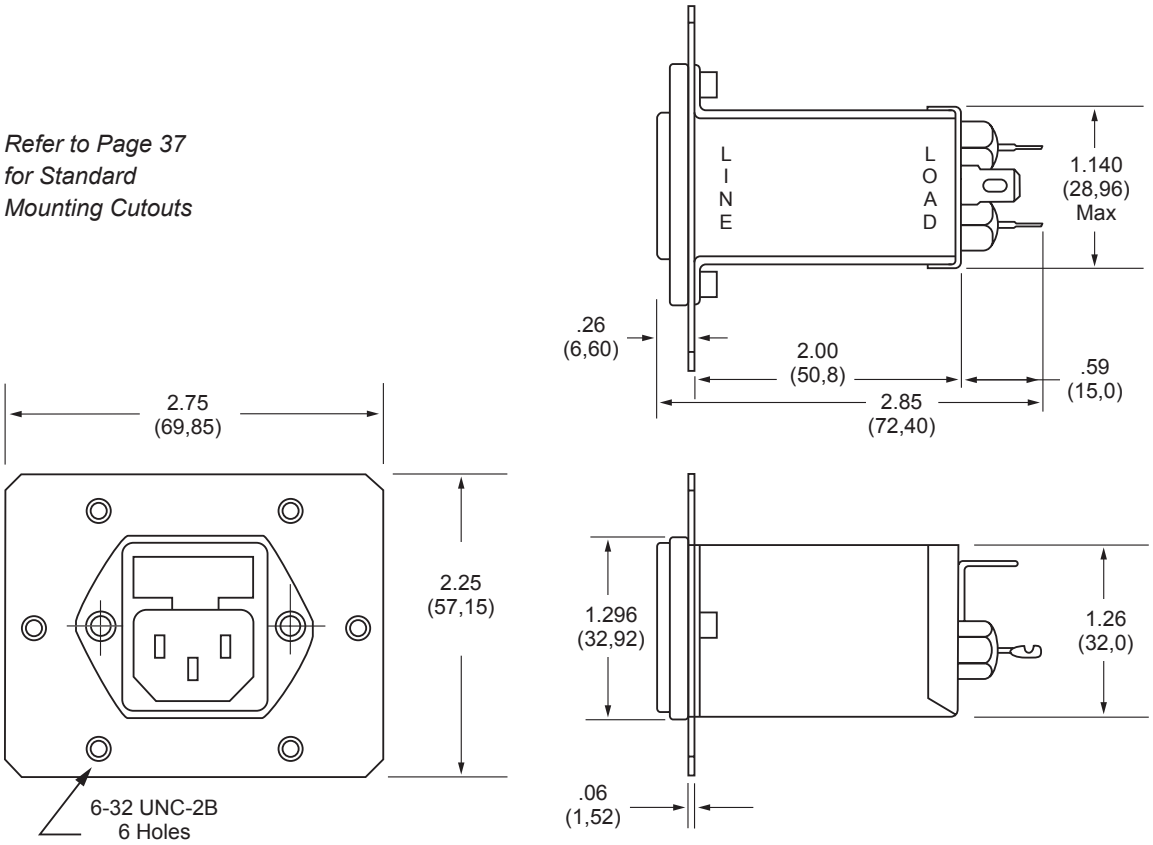
F5200FG (3 and 6Amp) Dimensions

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



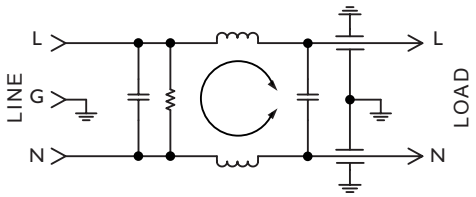
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

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 x 10^9 Ω 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

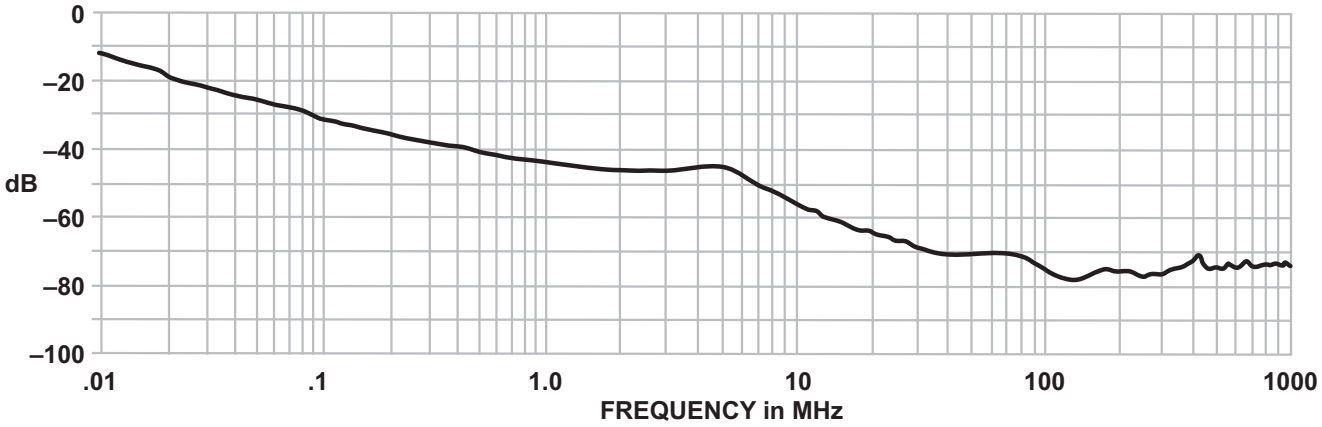
Maximum Leakage Current:

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)



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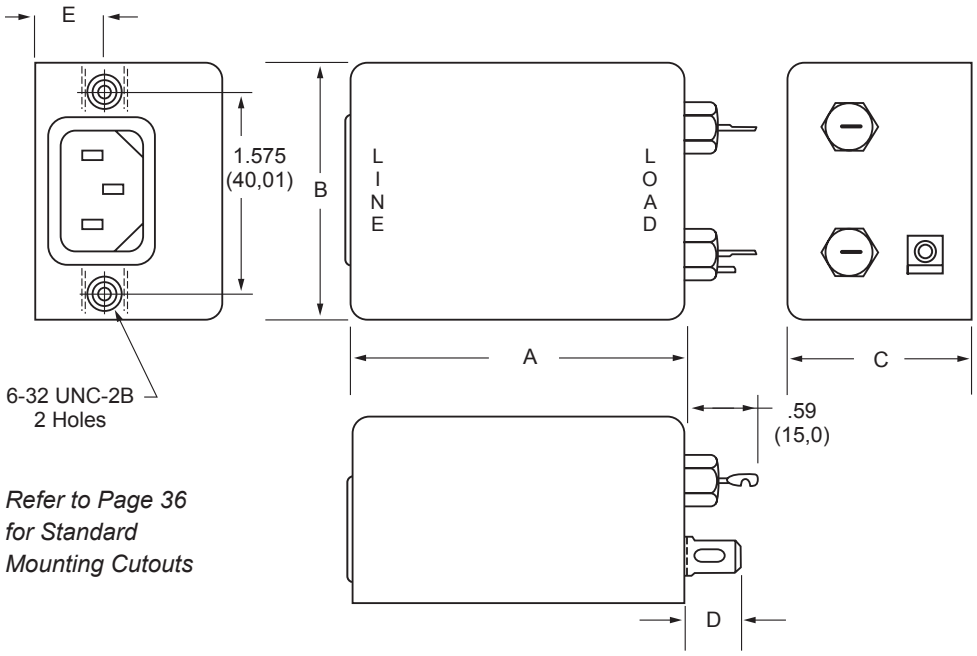
Specifications subject to change.
Dimensions are shown for reference purposes only.

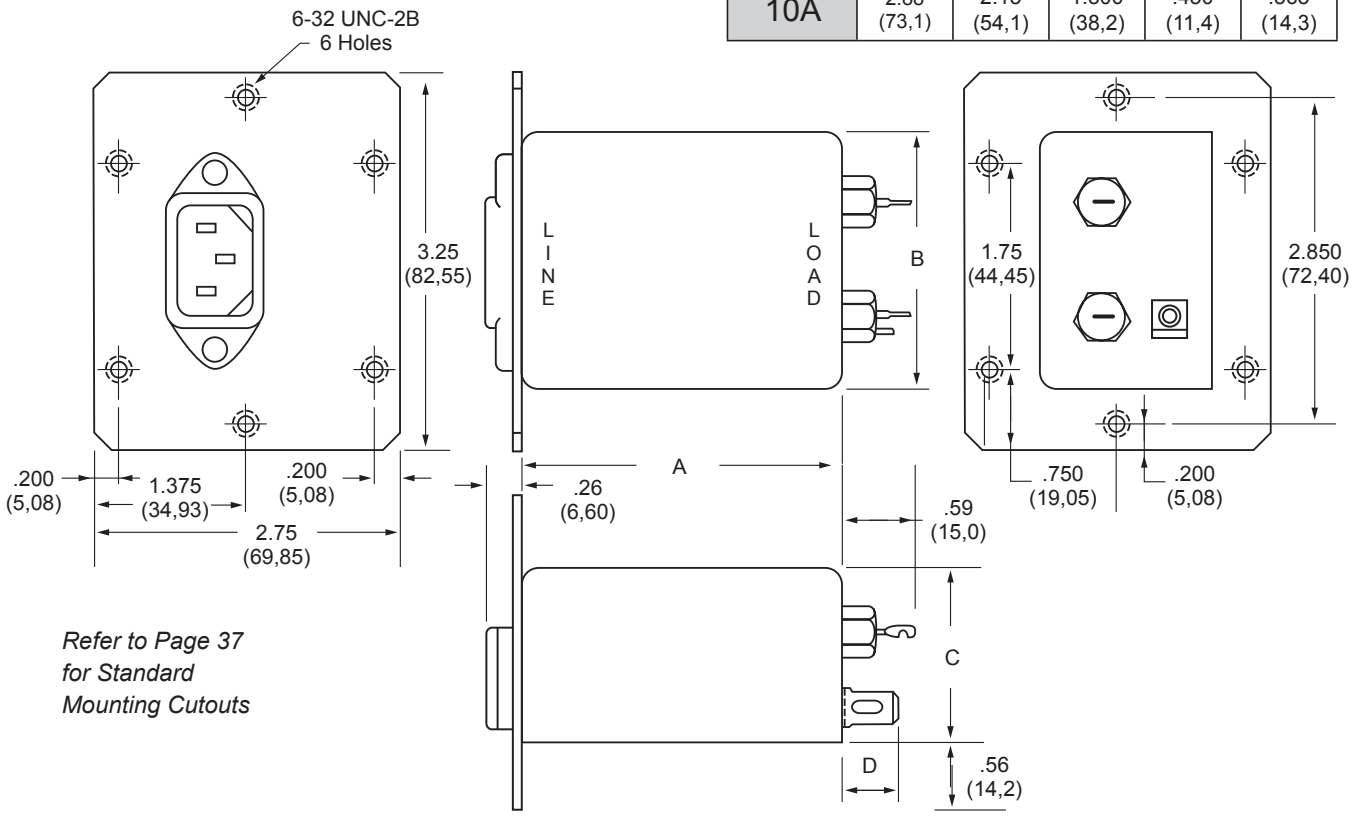
F5500CG (3, 6 and 10Amp) Dimensions



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 (38,2)	.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)

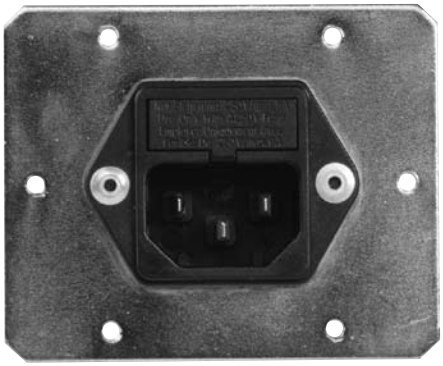
F5501CG (3, 6 and 10Amp) Dimensions with attached mounting plate



Refer to Page 37 for Standard Mounting Cutouts

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

F5600 RFI 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 x 10^9 Ω 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

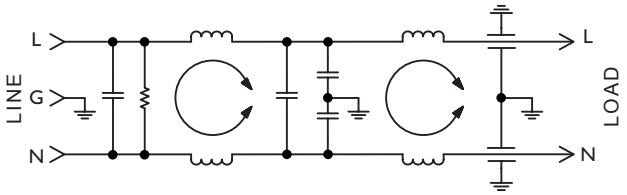
Maximum Leakage Current:

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

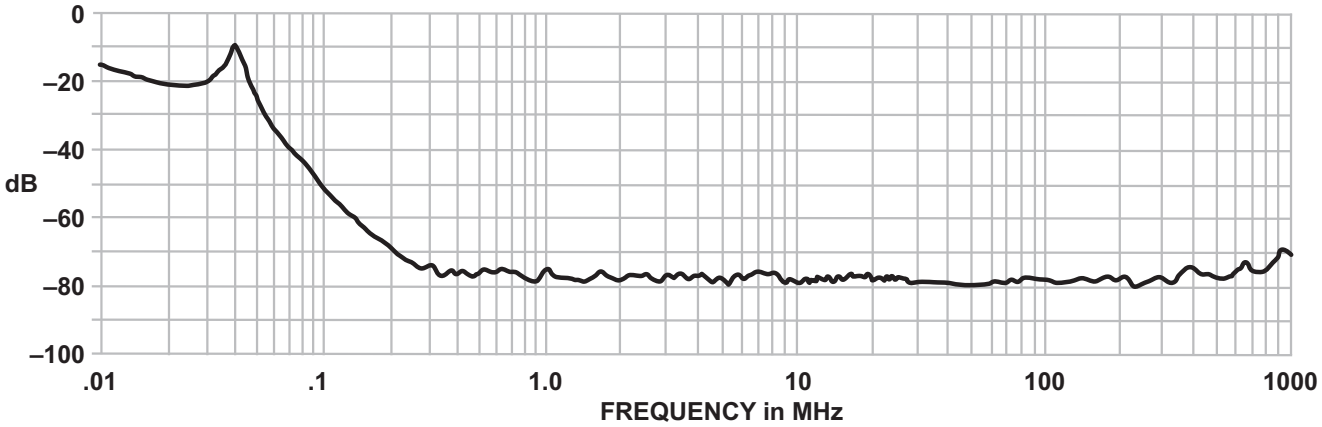
Agency Approvals:

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)



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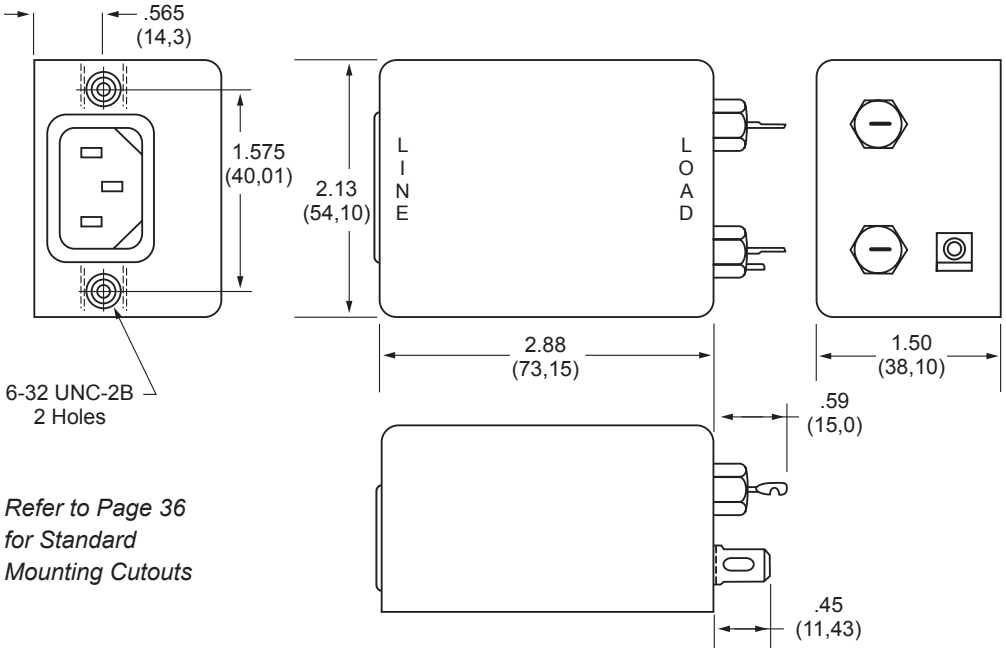
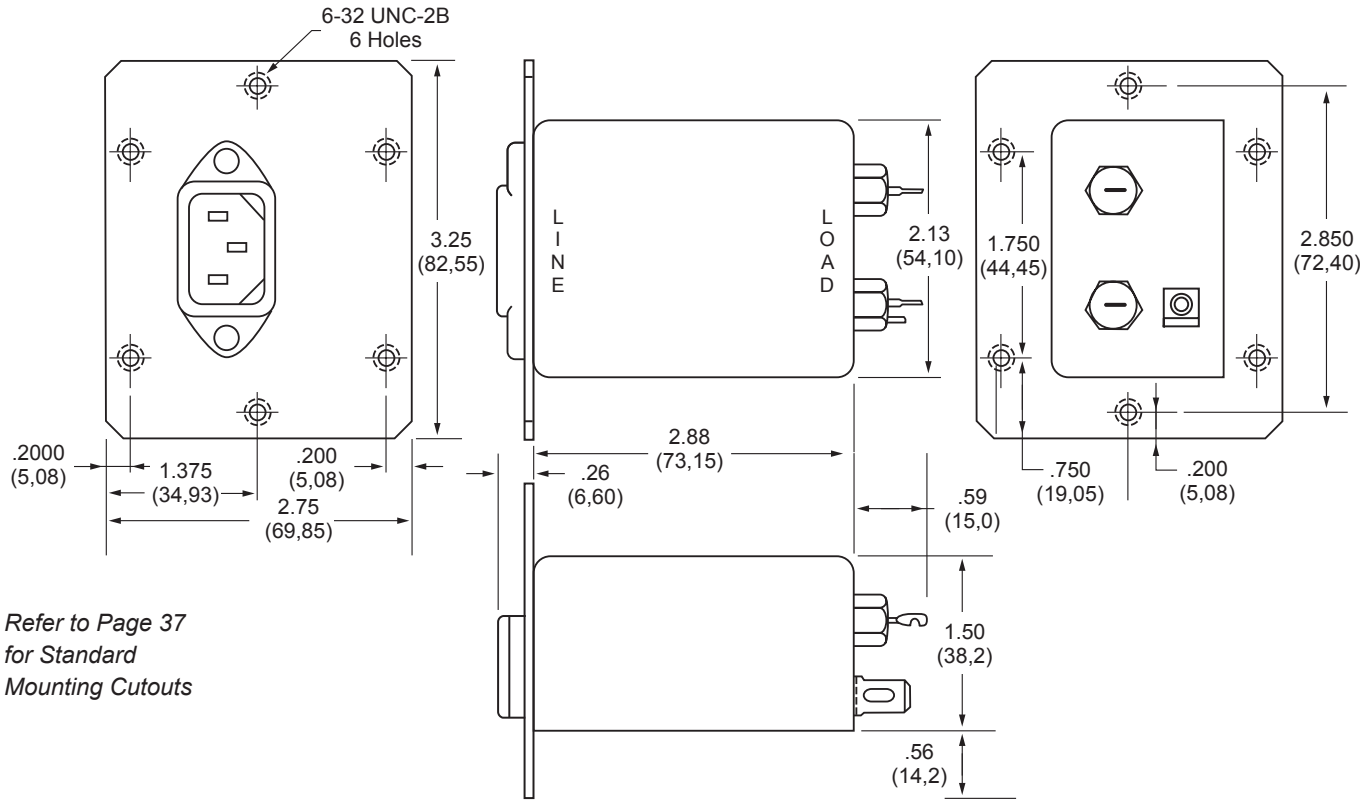
Specifications subject to change.
Dimensions are shown for reference purposes only.

F5600CG (3 and 6Amp) Dimensions



Refer to Page 36 for Standard Mounting Cutouts

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



Refer to Page 37 for Standard Mounting Cutouts

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

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

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 x 10^9 Ω at 100VDC

Ambient Temperature: 40°C Max. at rated current

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

Termination:

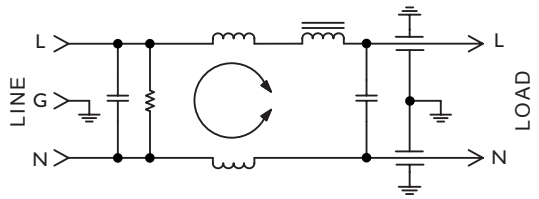
C: IEC Receptacle
G: Wire Wrap/Solder

Maximum Leakage Current:

Each Line to Ground	**F5700**
115VAC, 60Hz:	0.50mA
250VAC, 60Hz:	1.20mA

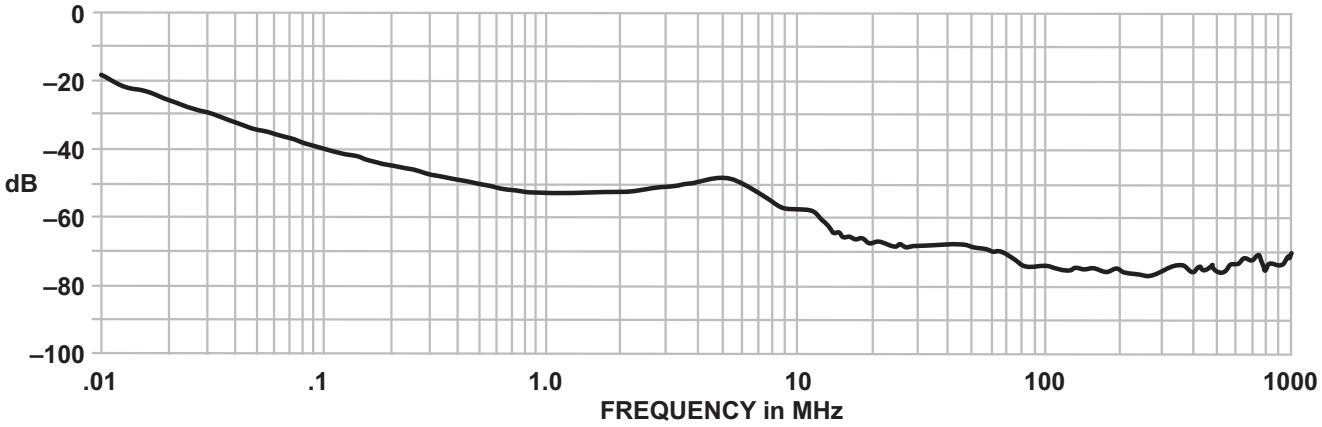
Agency Approvals:

F5700 Simplified Schematic



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)



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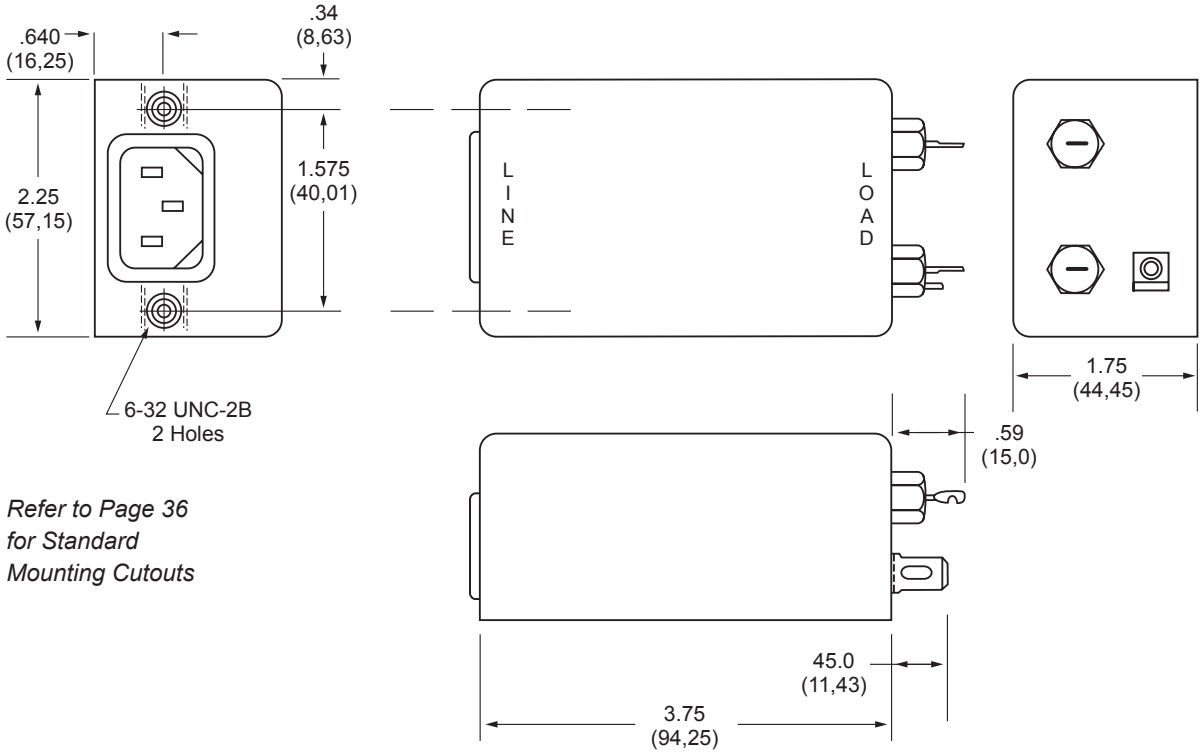
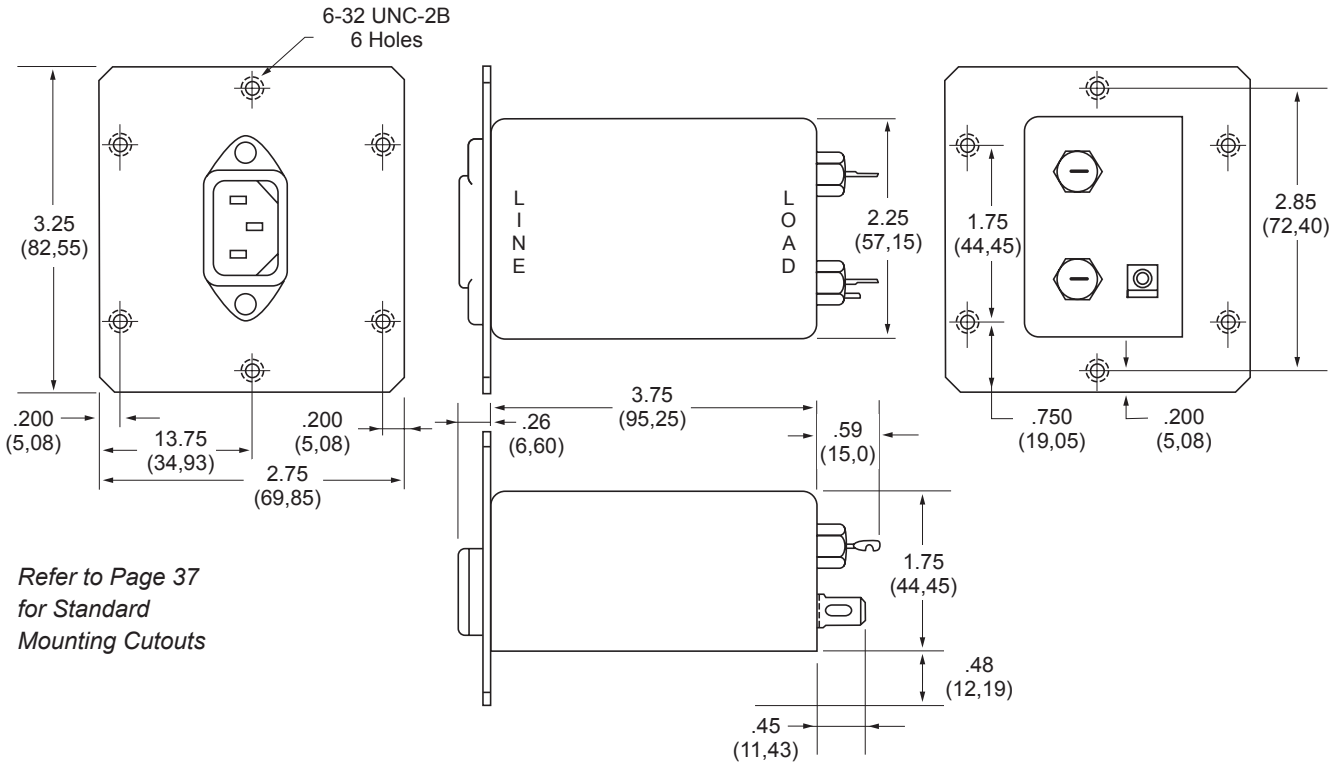
Specifications subject to change.
Dimensions are shown for reference purposes only.

F5700CG (3 and 6Amp) Dimensions



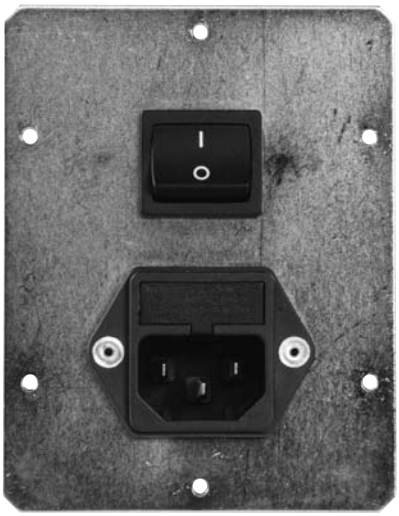
Refer to Page 36 for Standard Mounting Cutouts

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



Refer to Page 37 for Standard Mounting Cutouts

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



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 x 10^9 Ω 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:

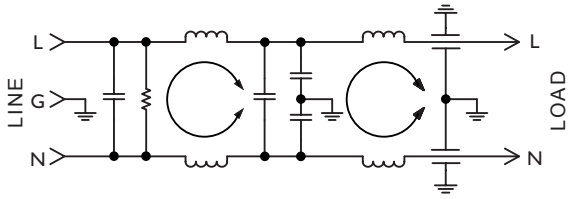
Each Line to Ground	**F5900**
115VAC, 60Hz:	0.50mA
250VAC, 60Hz:	1.20mA

Agency Approvals:

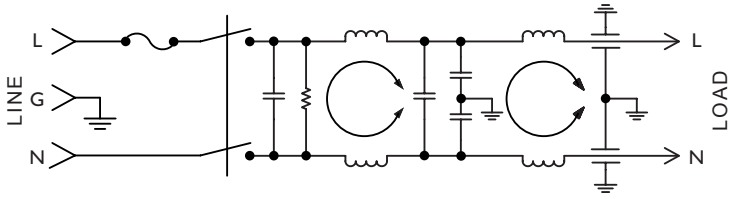
Features:

- 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

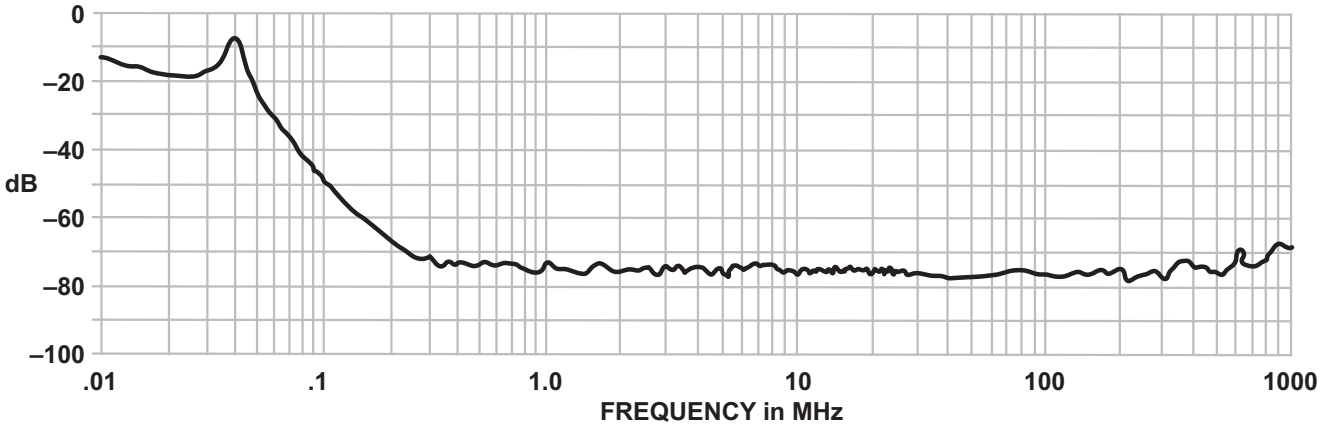
F5900 Simplified Schematic without Switch



F5900 Simplified Schematic with Switch



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



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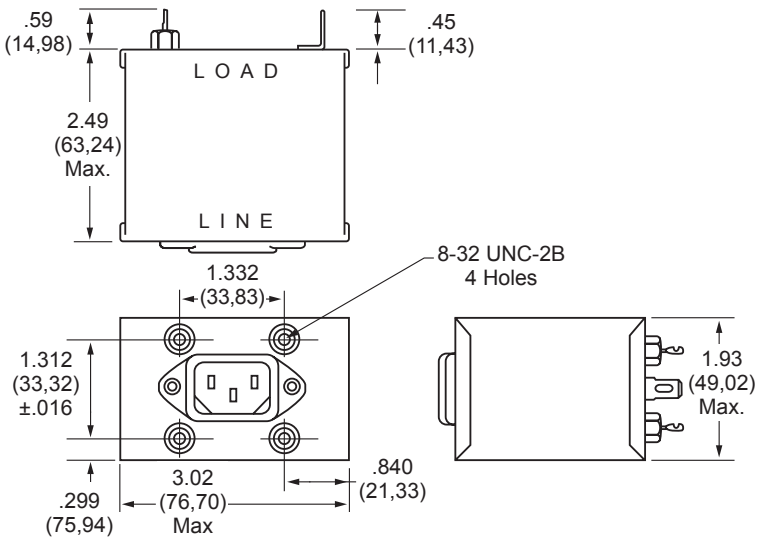
Specifications subject to change.
Dimensions are shown for reference purposes only.

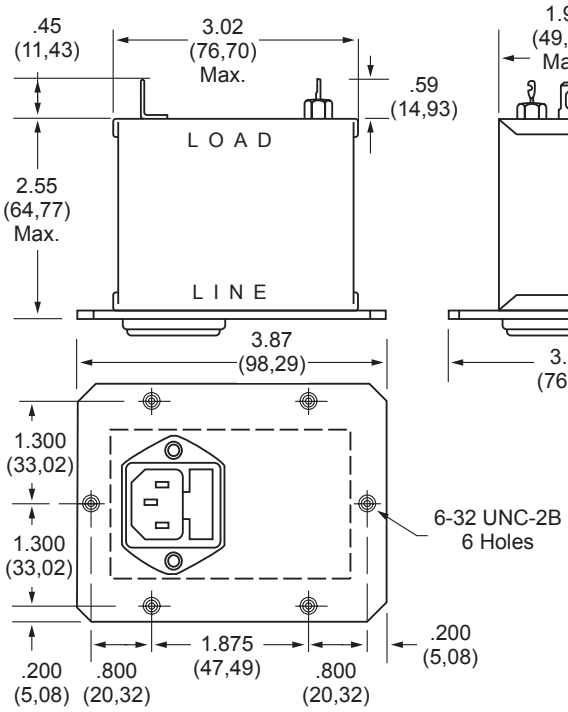
F5900CG (3 and 6Amp) Dimensions

Refer to Page 37 for Standard Mounting Cutouts



F5900FG (3 and 6Amp) Dimensions

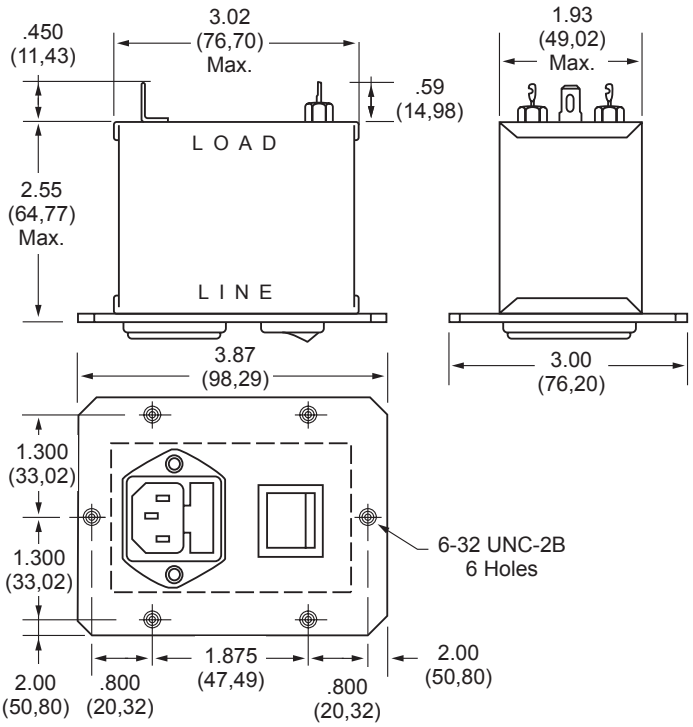
Refer to Page 37 for Standard Mounting Cutouts



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

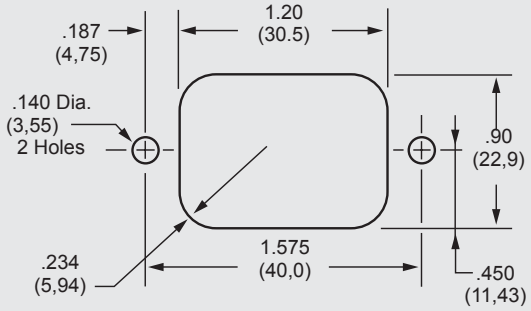
Refer to Page 37 for Standard Mounting Cutouts



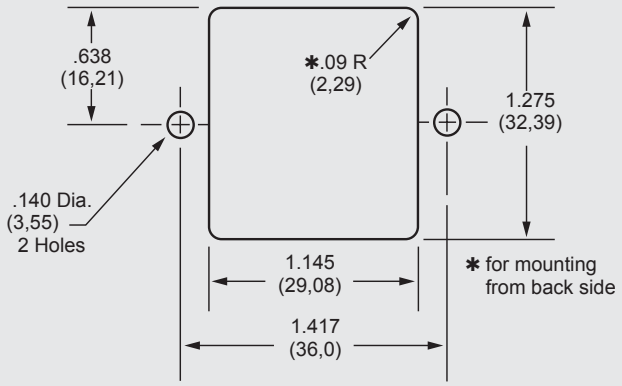
Dimensions are in inches and millimeters unless otherwise specified.
Values in parentheses are metric equivalents.

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

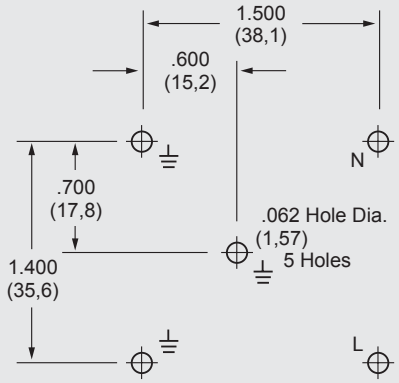
SERIES
PE = Power Entry
PM = Medical Power Entry

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

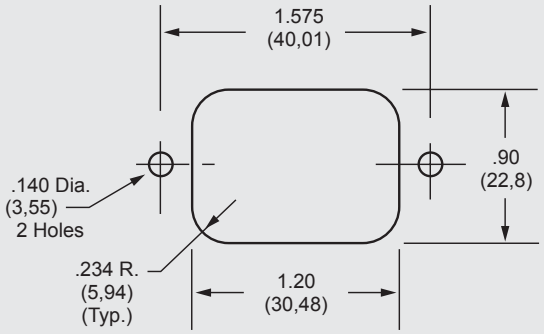
LOAD TERMINATION
A = Quick Connects
B = Wire Leads
D = Screw Terminals (20 & 30 amp only)
P = Printed Circuit Pins
S = Solder Tab

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



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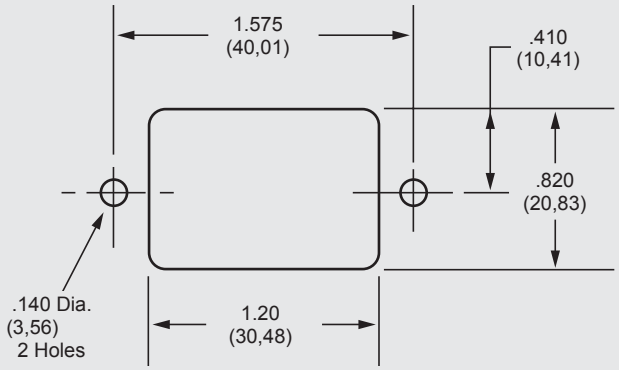
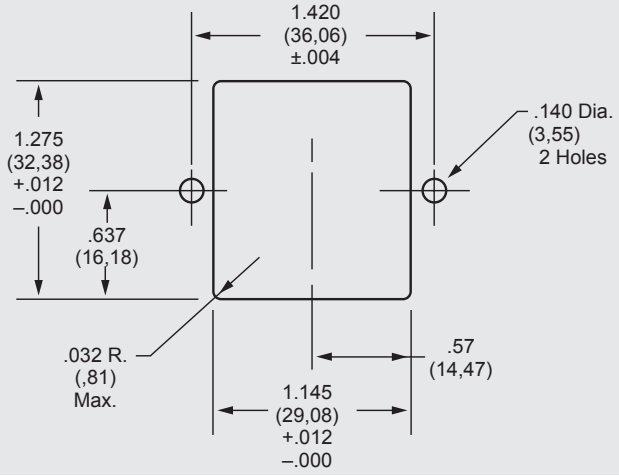
Specifications subject to change.
Dimensions are shown for reference purposes only.

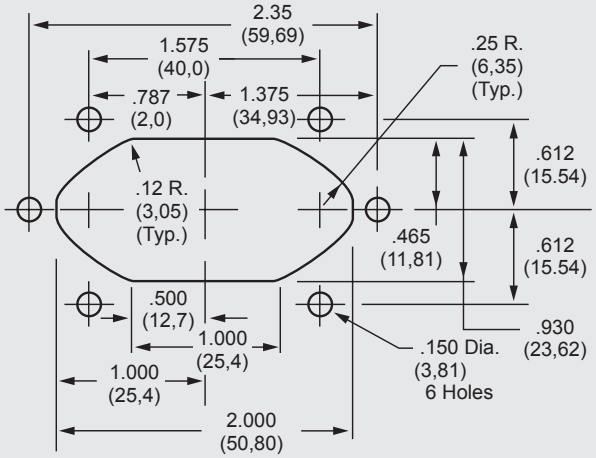
F5100 SERIES



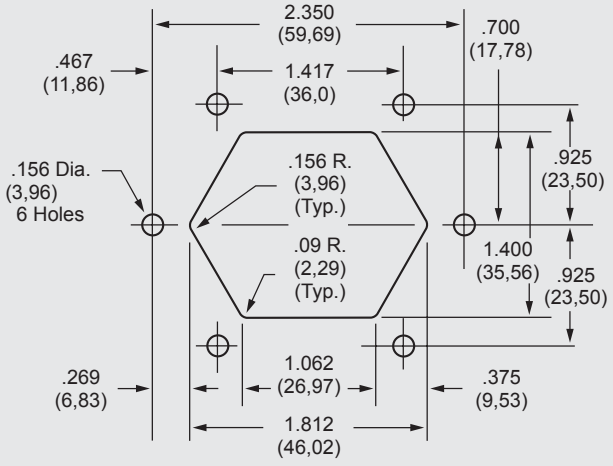
F5200 SERIES



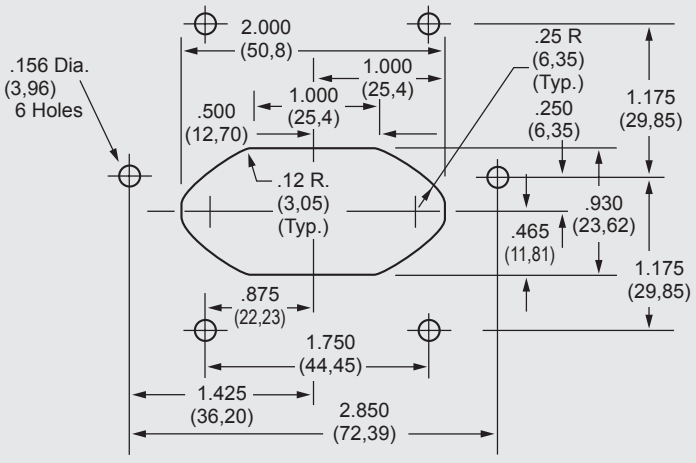
F5101 SERIES



F5201 SERIES



F5501/5601/5701 SERIES



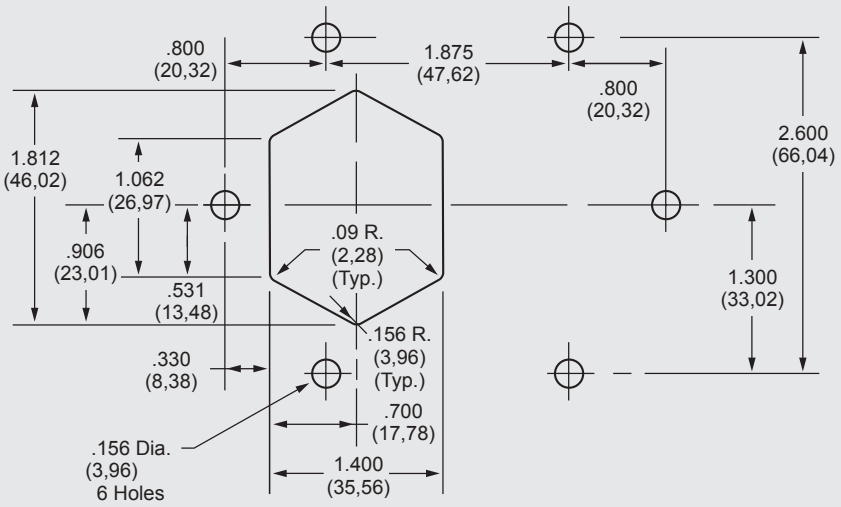
NOTE: Tolerance for all dimensions unless otherwise specified: .XXX three place ± .004, .XX two place ± 0.10

SINGLE PHASE FILTERS

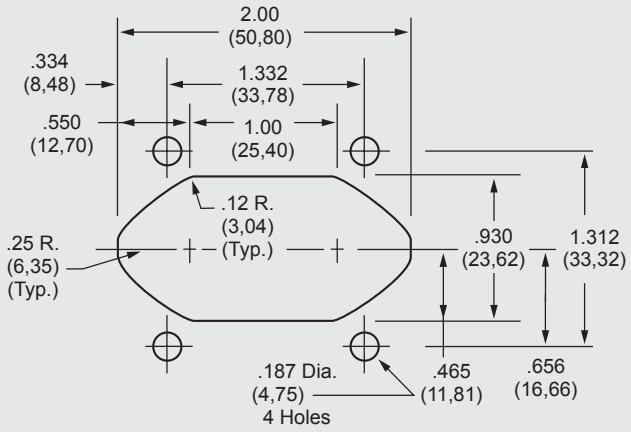
Dimensions are in inches and millimeters
unless otherwise specified.
Values in parentheses are metric equivalents.

Standard Mounting Cutouts

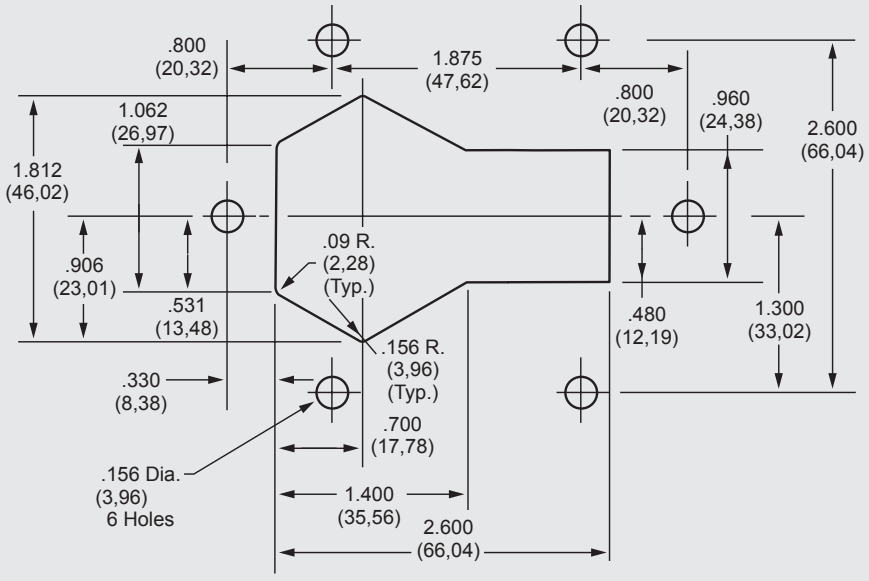
F5900FG



F5900CG



F5900JG



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