F1300/F1350/F1399 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

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**
2A	**F1399AA02** **F1399BB02**	QC/QC Wire/Wire	Common **Differential**	40 **5**	65 **45**	65 **70**	65 **65**	65 **60**	40 **50**
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**
	F1399AA03 **F1399BB03** **F1399CA03**	QC/QC Wire/Wire IEC/QC	Common **Differential**	40 **12**	65 **55**	65 **70**	65 **65**	65 **60**	40 **50**
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**
	F1399AA06 **F1399BB06** **F1399CA06**	QC/QC Wire/Wire IEC/QC	Common **Differential**	30 **5**	55 **40**	65 **70**	65 **65**	65 **60**	40 **50**
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**
	F1399AA10 **F1399BB10** **F1399CA10** **F1399DD10**	QC/QC Wire/Wire IEC/QC Screw/Screw	Common **Differential**	5 **5**	40 **12**	52 **50**	60 **65**	60 **60**	50 **55**
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**
	F1399AA20 **F1399DD20**	QC/QC Screw/Screw	Common **Differential**	5 **5**	40 **12**	52 **50**	60 **65**	60 **60**	52 **55**

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

Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz

Rated Current:

115VAC	1A	2A	3A	6A	10A	15A	20A
250VAC	1A	1.5A	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 C: IEC Receptacle
B: Wire P: PC – P.C. Board

Maximum Leakage Current:

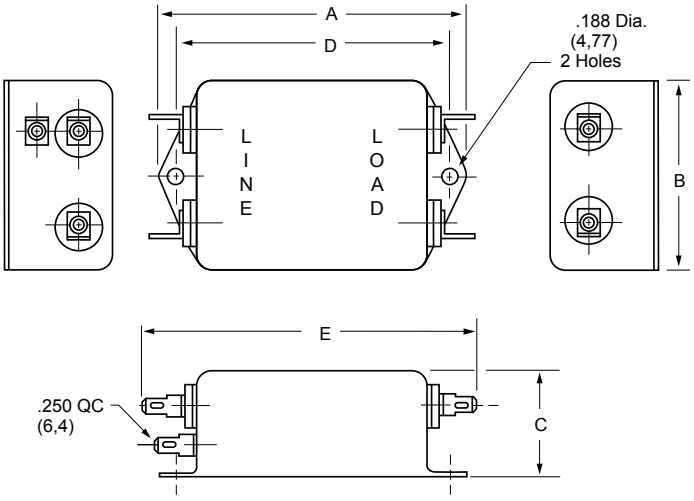
Each Line to Ground	F1300	F1350	D1399	F1360	F1370	F1380	F1390
115VAC, 60Hz:	0.4mA	0.25mA	0.25mA	.15mA	.002mA	.015mA	.030mA
250VAC, 50Hz:	.75mA	.40mA	0.45mA	.25mA	.005mA	.025mA	.050mA

Agency Approvals:

Except 15Amp

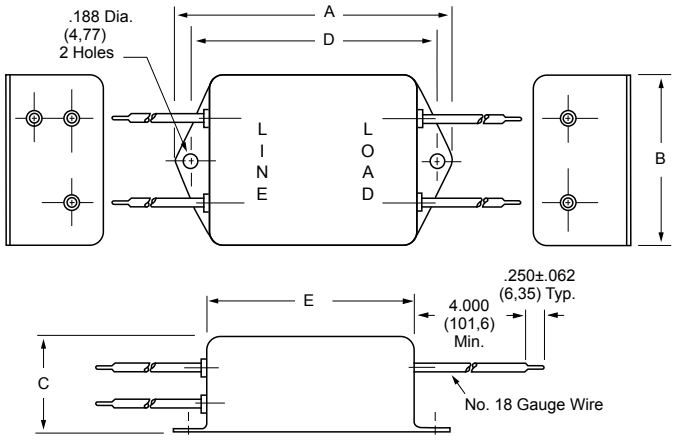
F1300AA (1, 3, 6, 10 and 15Amp)
F1350AA (1, 3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
1A	2.750 (69,9)	1.750 (44,5)	1.125 (28,5)	2.375 (60,3)	2.925 (74,3)
3A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	3.49 (88,7)
6A	3.312 (84,1)	2.000 (50,8)	1.125 (28,5)	2.940 (74,7)	3.49 (88,7)
10A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	3.49 (88,7)
15A	3.312 (84,1)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	3.49 (88,7)



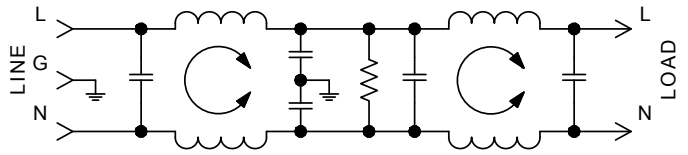
F1300BB/F1350BB
(1, 3, 6 and 10Amp) Dimensions

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)



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

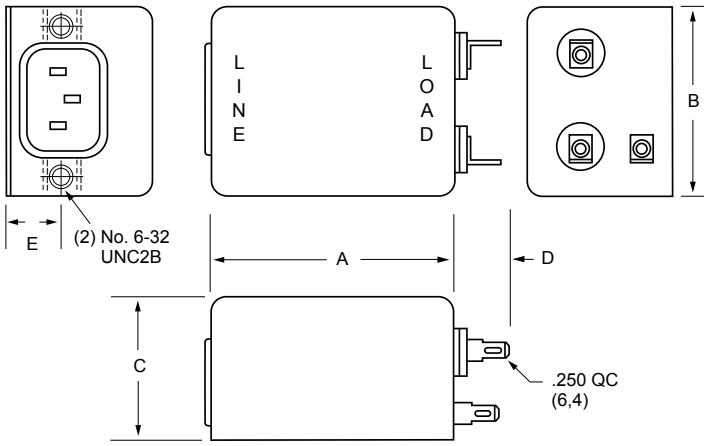
F1300/F1350 Simplified Schematic

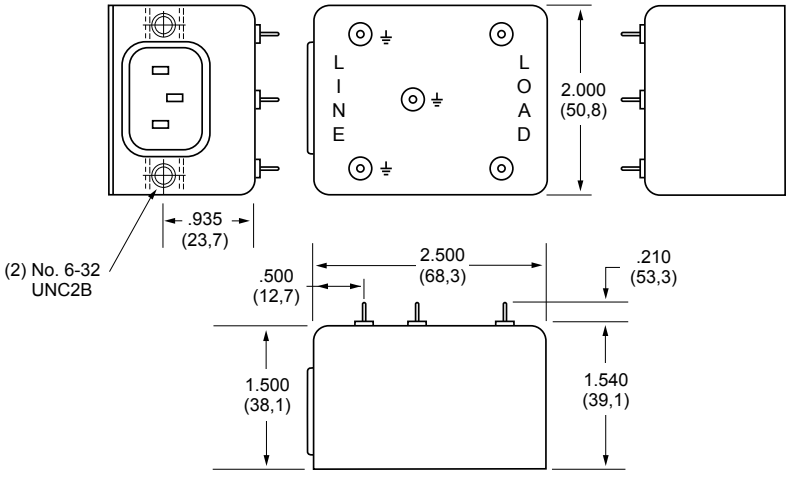


F1300CA (3, 6 and 10Amp)
F1350CA (3 and 6Amp) Dimensions

Refer to Page 40 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)

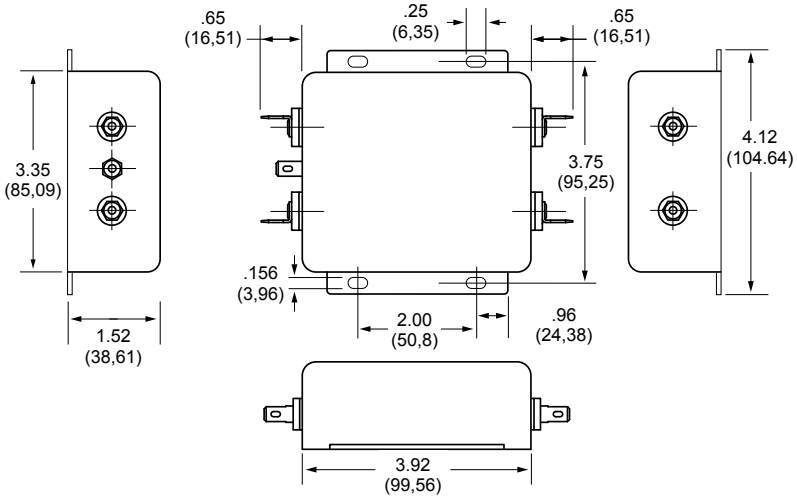




F1300CP/F1350CP
(3Amp Only) Dimensions

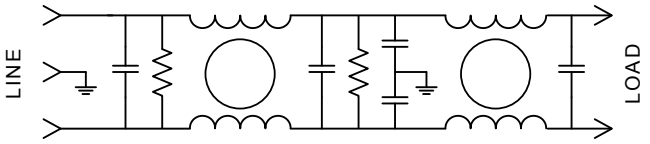
Refer to Page 40 for Standard Mounting Cutouts

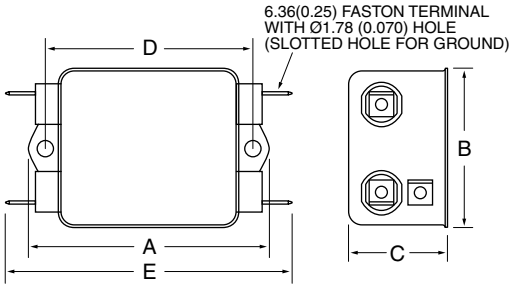
F1300AA/F1350AA
(20Amp Only) Dimensions



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

F1399 Simplified Schematic



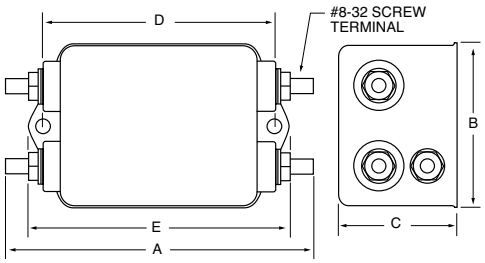


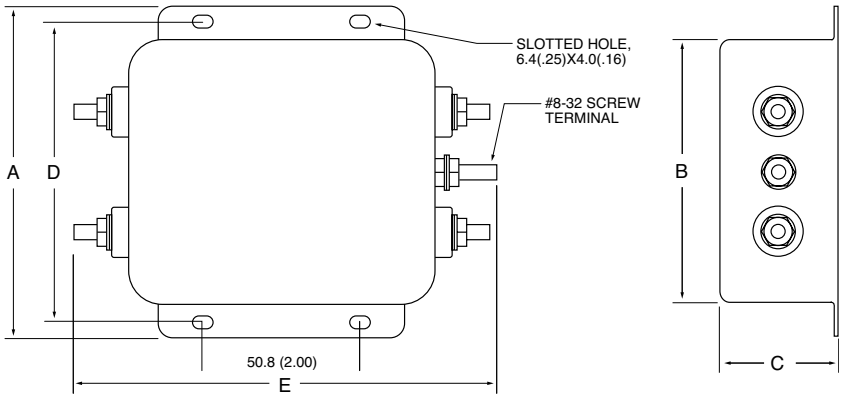
F1399AA (2, 3, 6, 10 and 20Amp) Dimensions

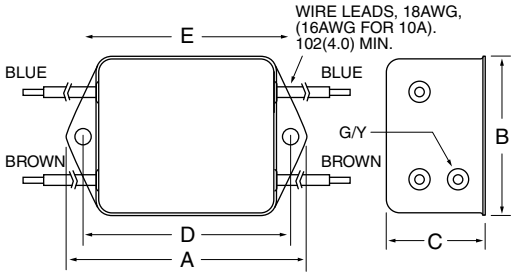
Amps	A	B	C	D	E
2A	3.35 (85,1)	1.81 (46,0)	1.16 (29,5)	2.375 (60,33)	2.78 (70,6)
3A	3.85 (97,8)	2.07 (52,6)	1.16 (29,5)	2.938 (74,63)	3.35 (85,1)
6A	3.85 (97,8)	2.07 (52,6)	1.16 (29,5)	2.938 (74,63)	3.35 (85,1)
10A	3.85 (97,8)	2.07 (52,6)	1.53 (38,9)	2.938 (74,63)	3.35 (85,1)
20A	5.23 (132,8)	3.37 (85,6)	1.53 (38,9)	3.75 (95,25)	4.20 (106.7)

F1399DD (10 and 20Amp) Dimensions

Amps	A	B	C	D	E
10A	3.96 (100,6)	2.07 (52,6)	1.53 (38,9)	2.938 (74,63)	3.35 (85,1)
20A	5.34 (135,6)	3.37 (85,6)	1.53 (38,9)	3.75 (95,25)	4.20 (106,7)

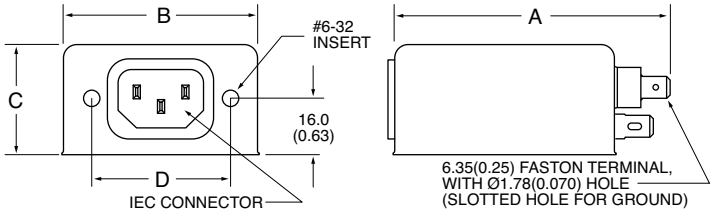






F1399BB (2, 3, 6 and 10Amp) Dimensions

Amps	A	B	C	D	E
2A	2.07 (52.6)	1.81 (46,0)	1.16 (29,5)	2.375 (60,33)	2.78 (70,6)
3A	2.56 (65,0)	2.07 (52,6)	1.16 (29,5)	2.938 (74,63)	3.35 (85.1)
6A	2.56 (65,0)	2.07 (52,6)	1.16 (29,5)	2.938 (74,63)	3.35 (85.1)
10A	2.56 (65,0)	2.07 (52,6)	1.53 (38,9)	2.938 (74,63)	3.35 (85,1)



F1399CA (3, 6 and 10Amp) Dimensions

Amps	A	B	C	D
3A	4.33 (110,0)	2.25 (57,2)	1.28 (32,5)	1.575 (40,0)
6A	4.33 (110,0)	2.25 (57,2)	1.28 (32,5)	1.575 (40,0)
10A	4.33 (110,0)	2.25 (57,2)	1.53 (38,9)	1.575 (40,0)

Specifications subject to change.
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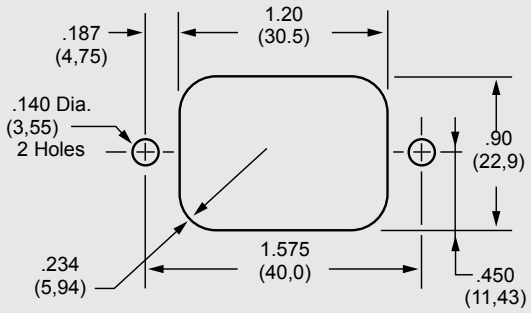
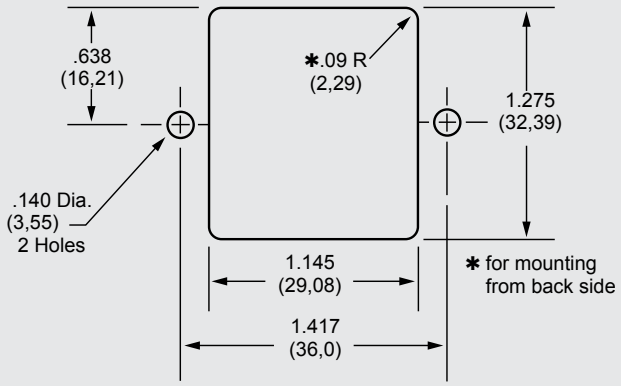
Standard Mounting Cutouts

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

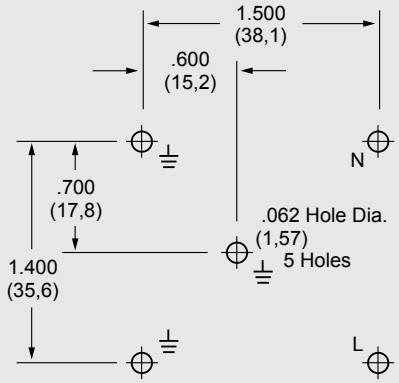
SERIES
PE = Power Entry
PM = Medical Power Entry

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

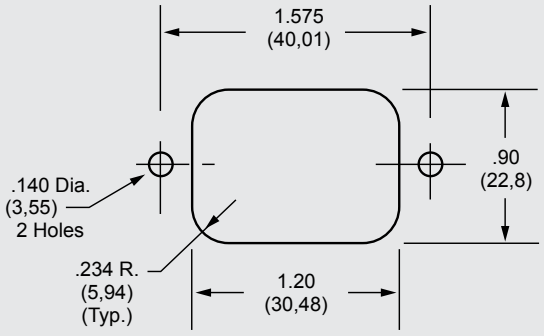
LOAD TERMINATION
A = Quick Connects
B = Wire Leads
D = Screw Terminals (20 & 30 amp only)
P = Printed Circuit Pins
S = Solder Tab

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.