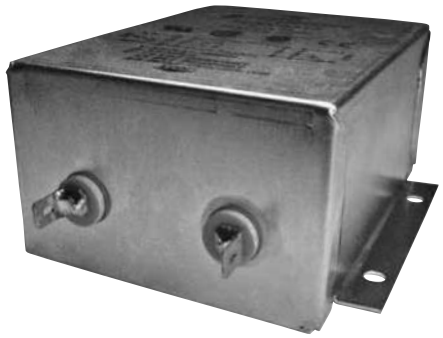
F2800 RFI Filters

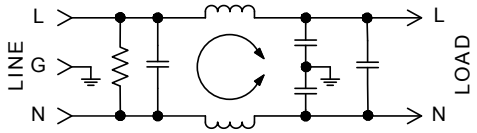




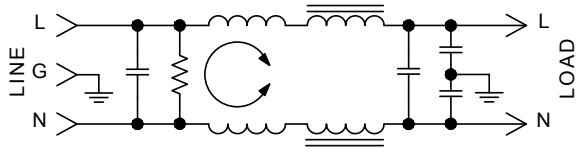
Features:

- 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:

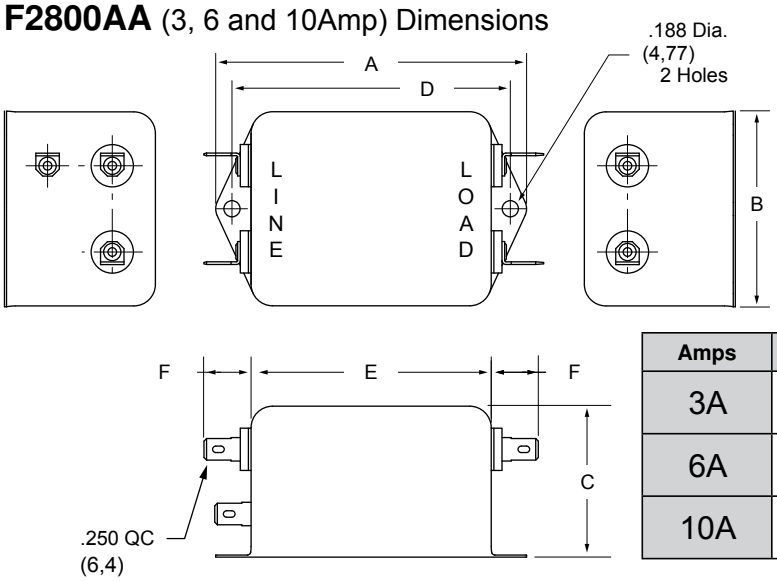
Each Line to Ground	**F2800**
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

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**

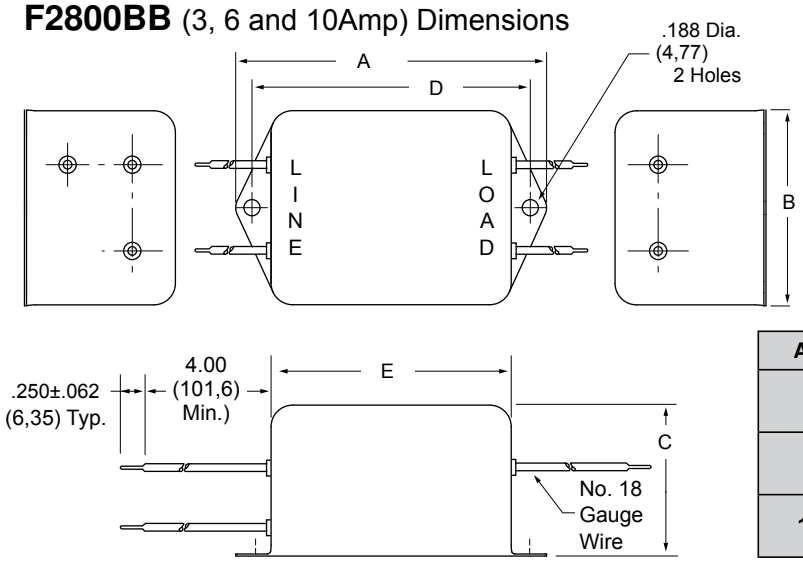
Specifications subject to change.
Dimensions are shown for reference purposes only.

F2800AA (3, 6 and 10Amp) Dimensions



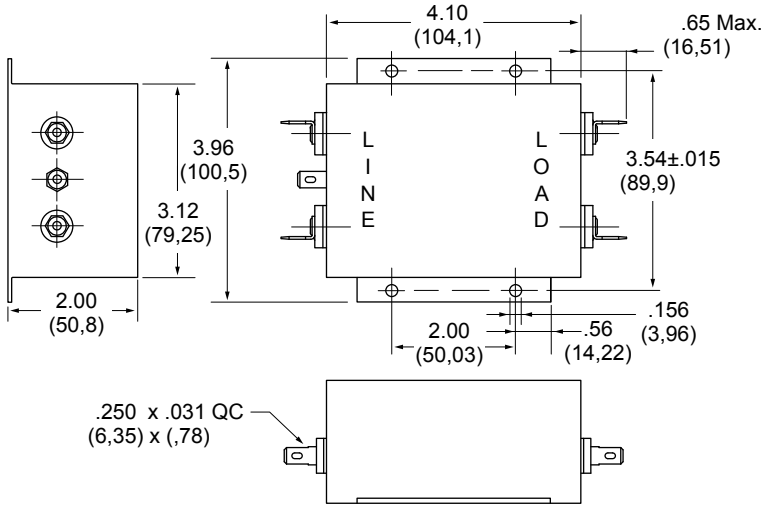
Amps	A	B	C	D	E	F
3A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	3.310 (84,1)	2.000 (50,8)	1.500 (38,2)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
10A	4.44 (113)	2.250 (57,1)	1.750 (44,4)	4.063 (103,2)	3.630 (92,2)	.650 (16,5)

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.