

F2700 RFI Filters

General Purpose Filtered Modules



Features:

- Designed for FCC "B" and VDE "B" Switching Power Supply Applications
- Very High Inductance Design with Differential Mode Choke to Provide Improved Performance Below 100KHz
- Compact, Space-Efficient Package Available in 3 and 6Amp Ratings
- Also Available with Integral Fused IEC Connector and "ON/OFF" Power Switch

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	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: Fused IEC

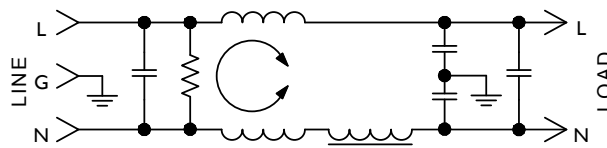
Maximum Leakage Current:

Each Line to Ground	F2700
115VAC, 60Hz:	0.25mA
250VAC, 50Hz:	0.40mA

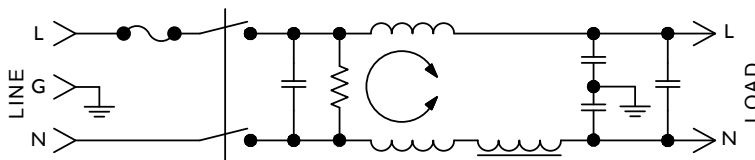
Agency Approvals:



F2700 Without Switch Simplified Schematic



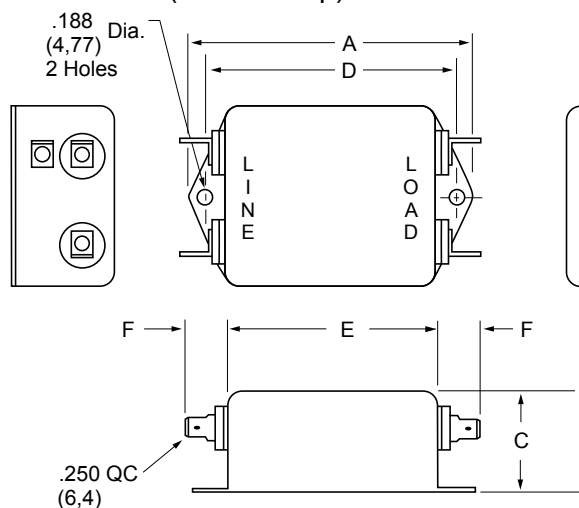
F2700 Without Switch Simplified Schematic (3Amp Only)



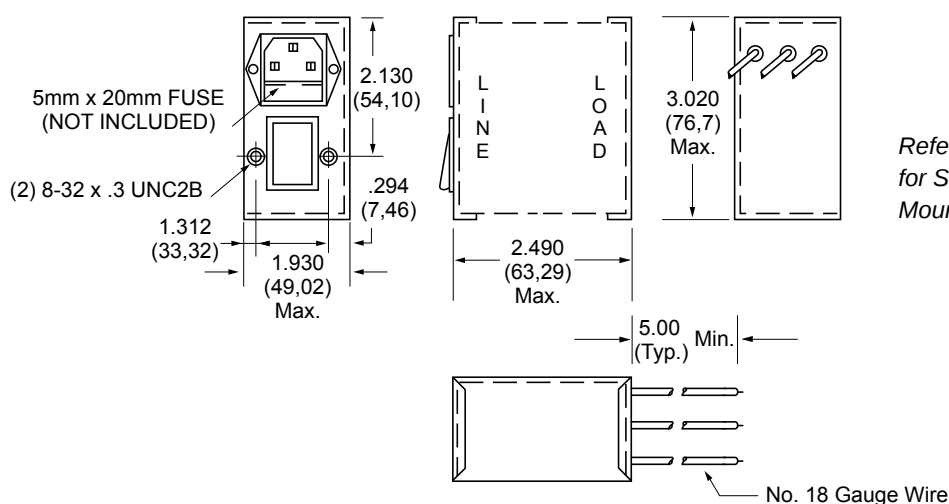
Nominal Current Rating	Part Number	Termination Line/Load	MINIMUM INSERTION LOSS - dB (50 ohm Circuit)									
			MODE	Frequency - MHz								
				.01	.02	.05	.15	.50	1.0	5.0	10	30
3A	F2700AA03	QC/QC	Common	20	27	36	45	42	42	42	40	38
			Differential	5	27	52	70	70	70	70	60	58
	F2700CA03 F2700FB03	IEC/QC Fused IEC/Wire	Common	20	27	36	45	42	42	42	40	38
			Differential	5	27	52	70	70	70	70	60	58
6A	F2700AA06 F2700CA06	QC/QC IEC/QC	Common	10	18	28	39	42	45	45	45	45
			Differential	5	20	48	70	70	70	70	70	65

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

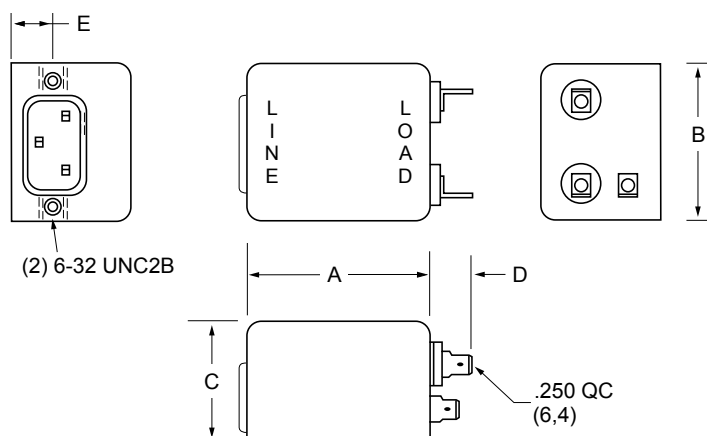


F2700AA (3 and 6Amp) Dimensions

Amps	A	B	C	D	E	F
3A	3.315 (84,2)	2.000 (50,8)	1.500 (38,1)	2.940 (74,7)	2.500 (63,5)	.550 (14,0)
6A	4.440 (112,8)	2.250 (57,2)	1.750 (44,5)	4.063 (103,2)	3.620 (91,9)	.550 (14,0)

F2700FB03 (3Amp) Dimensions

Refer to Page 58
for Standard
Mounting Cutouts

F2700CA (3 and 6Amp) Dimensions

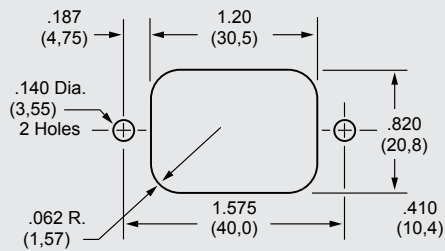
Refer to Page 58
for Standard
Mounting Cutouts

Amps	A	B	C	D	E
3A	2.880 (73,2)	2.125 (54,0)	1.719 (43,6)	.550 (14,0)	.575 (14,6)
6A	3.750 (95,2)	2.250 (57,1)	1.750 (44,4)	.550 (14,0)	.640 (16,29)

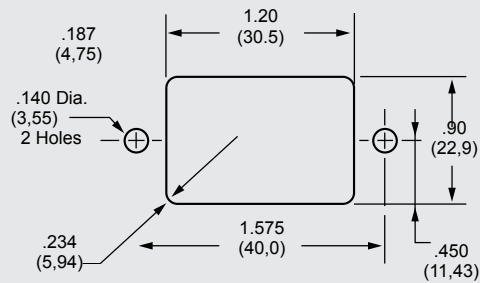


Standard Mounting Cutouts

F2199CA, F2200CA, F2300CA, F2400CA, F2500CA, F2700CA, F3100CA, F3200CA, F3400CA, F3500CA

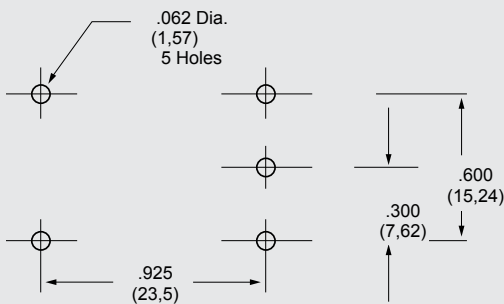


Back Mounting

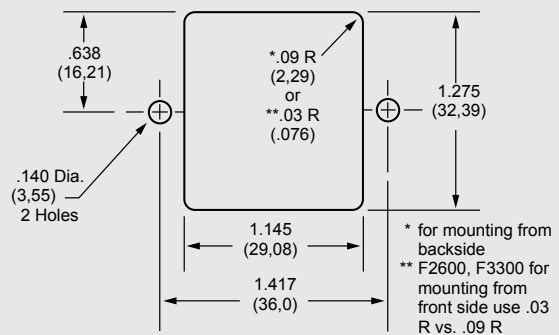


Front Mounting

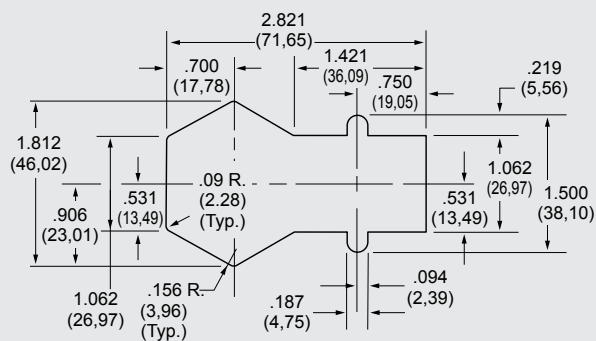
F2600FP, F3300FP



F2600, F3300



F2700FB



PE1 Screw Mount Series

