Features:

Versions

F1600 RFI Filters







Specifications:

Rated Voltage: 250VAC Maximum - 50/60 Hz **Rated Current:** 115VAC 250VAC 3A 1.5A 6A ЗА 10A 6A

Current Overload: 6X for 8 seconds

Hi-Pot Test (1 min):

Line to Ground 1500VAC 1768VDC Line to Line

Insulation Resistance: 9 x 109 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:









Switching Power Supply Emissions

F1600CX Simplified Schematic

F1600FA Simplified Schematic

· Low-Leakage Current Design

| Nominal | Part | Termination | |
|---------------|------|-------------|---------------------------------------|
| L >-•••• N > | | | L L L L L L L L L L L L L L L L L L L |

· T Section, Dual Coil Design - High Insertion Loss for

· Space-Efficient with Integral IEC Connector and

Compact Case in Current Ratings up to 10Amps

· Available in Fused IEC Connector and PC Mounted

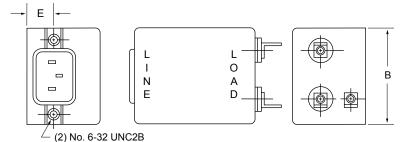
| Nominal Current Rating | Part Number | Termination Line/Load | MINIMUM INSERTION LOSS - dB (50 ohm Circuit) | | | | | | |
|------------------------------|--|--|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | | MODE | Frequency - 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.

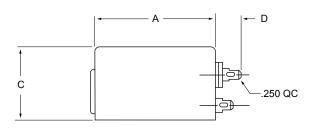




F1600CA (3, 6 and 10Amp) Dimensions F1600CB (3, 6 and 10Amp) Dimensions



Refer to Page 40 for Standard Mounting Cutouts

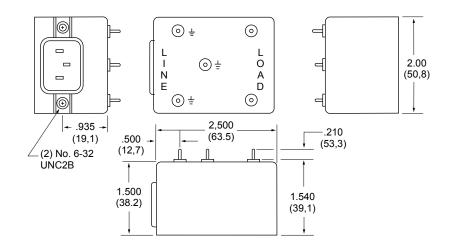


| Amps | Α | В | С | D | E |
|------|--------|--------|--------|--------|--------|
| 3A | 2.500 | 2.000 | 1.500 | .550 | .565 |
| | (63,5) | (50,8) | (38,2) | (14,0) | (14,3) |
| 6A | 2.500 | 2.000 | 1.500 | .550 | .565 |
| | (63,5) | (50,8) | (38,2) | (14,0) | (14,3) |
| 10A | 3.750 | 2.250 | 1.750 | .550 | .640 |
| | (95,2) | (57,2) | (44,5) | (14,0) | (16,3) |

F1600CP

(3 and 6Amp) Dimensions

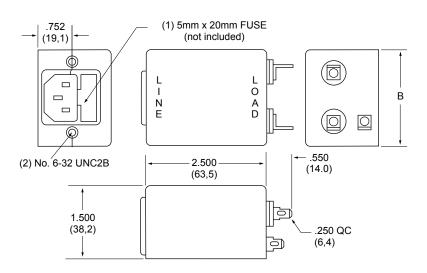
Refer to Page 40 for Standard Mounting Cutouts



F1600FA

(3 and 6Amp) Dimensions

Refer to Page 40 for Standard Mounting Cutouts





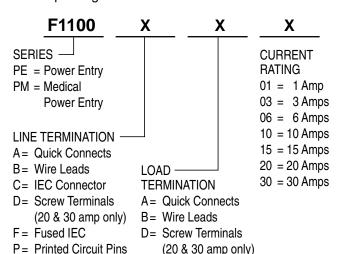
Standard Mounting Cutouts

F1200CA, F1300CA, F1400CA, F1500CA, F1600CA, F1700CA 1.20 .187 -(30.5) (4,75).140 Dia. (3,55)90 2 Holes Œ (22,9)1.575 .234 (40,0).450 (5,94)(11,43)

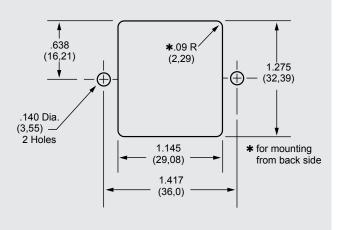
How to Order

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.

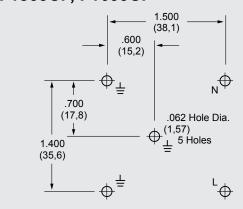
Compose your part number as follows: Select the series required, add two alpha character for the line and load termination, followed by two numeric characters for the required current rating. For example, F1100AB06 completely identifies an F1100 series filter with quick connects on line side and wire leads on load side, with a 6-amp rating.



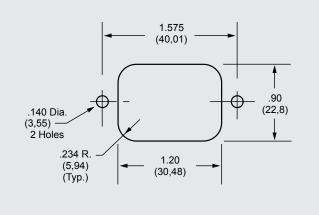
F1500FA, F1600FA,



F1300CP, F1600CP



F5500/5600/5700 SERIES





P= Printed Circuit Pins

S = Solder Tab



W= Dual Fused IEC

J = Switched IEC