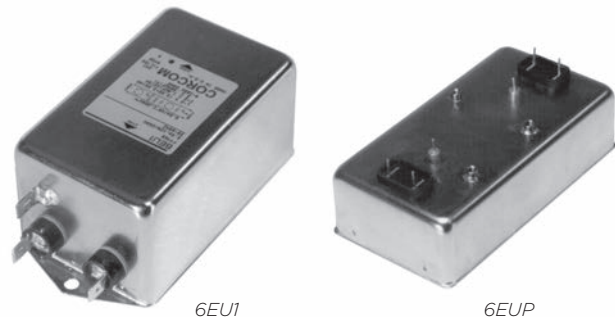


RFI Filter for Power Factor Corrected Power Supplies

U Series



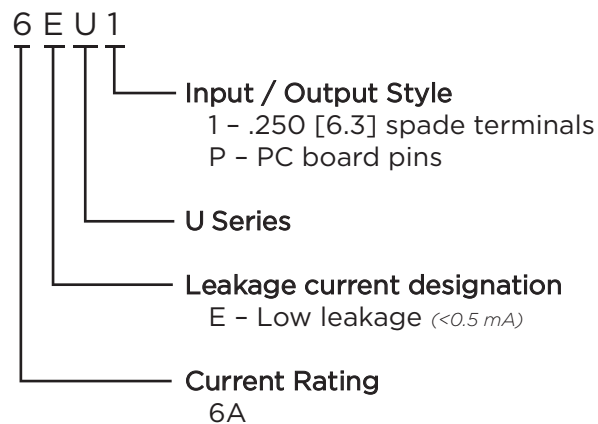
UL Recognized
CSA Certified
VDE Approved



U Series

- Designed for equipment using power factor corrected power supplies
- Offers high impedance circuit to mismatch the power supply's impedance characteristics
- Available in PC board mountable version
- All models meet low leakage current requirements

Ordering Information



Available Part Numbers

6EUP	6EU1
------	------

Specifications

Maximum leakage current each Line to Ground:

@ 120 VAC 60 Hz:	.30 mA
@ 250 VAC 50 Hz:	.50 mA

Hipot rating (one minute):

Line to Ground:	2250 VAC
Line to Line:	1450 VDC

Rated Voltage (max):

250 VAC

Operating Frequency:

50/60 Hz

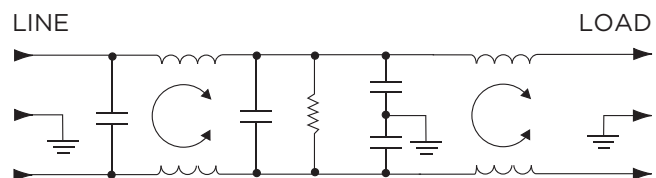
Rated Current:

6A

Operating Ambient Temperature Range

(at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85 - T_a)/45}$

Electrical Schematic

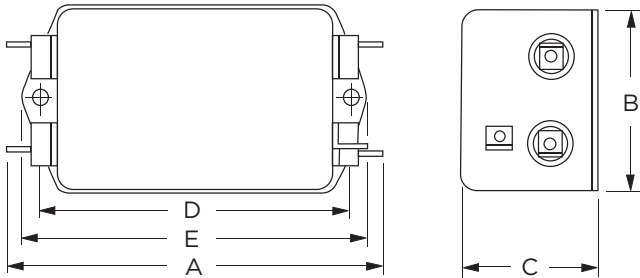


RFI Filter for Power Factor Corrected Power Supplies *(continued)*

U Series

Case Styles

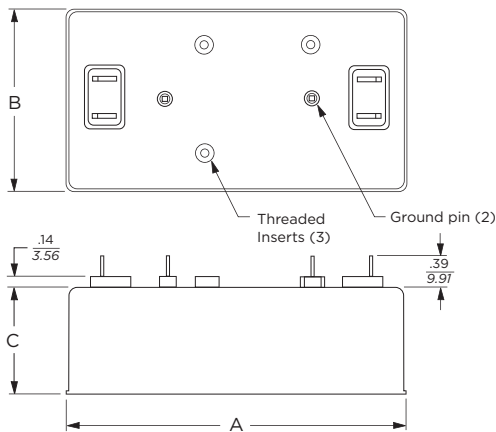
6EU1



Typical Dimensions:

Line/Load Terminals (4): .250 [6.3] with .07 [1.8] Dia. hole
Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot
Mounting Holes (2): .188 [4.78] Dia.

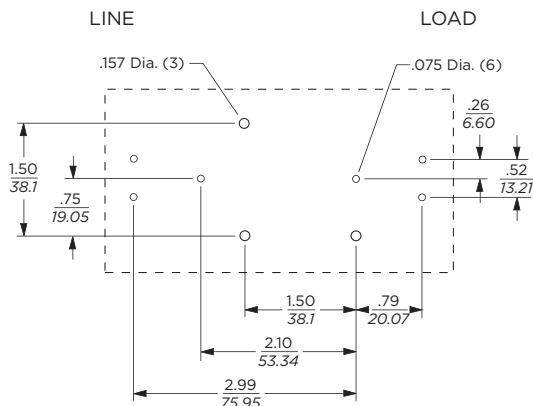
6EUP



Typical Dimensions:

Pins (6): 0.065 [1.65] diagonal max.
Threaded insert(3): 6-32

Recommended PC Board Layout



Case Dimensions

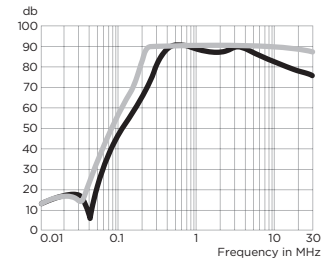
Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
6EU1	4.95 125.73	2.27 57.66	1.80 45.72	4.060 103.12	4.47 113.54
6EUP	4.70 119.4	2.51 66.8	1.22 31.0	-	-

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system

6EU



— Common Mode / Asymmetrical (L-G)
— Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz						
	.05	.1	.15	.5	1	5	10 30
6A	4	30	40	70	70	70	65 50

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz						
	.05	.1	.15	.5	1	5	10 30
6A	10	35	45	70	70	70	65 55