

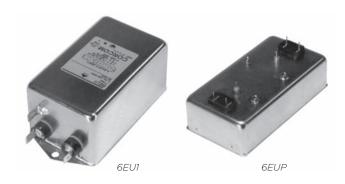
Catalog: 1654001 Issue Date: 06.2011

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

Specifications

Maximum leakage current each Line to Ground:

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

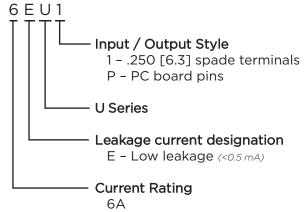
Hipot rating (one minute):

2250 VAC Line to Ground: Line to Line: 1450 VDC Rated Voltage (max): 250 VAC Operating Frequency: 50/60 Hz Rated Current: 6A

Operating Ambient Temperature Range

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

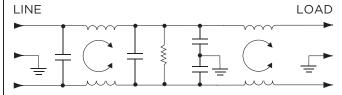
Ordering Information



Available Part Numbers

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Electrical Schematic



Catalog: 1654001

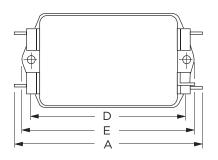
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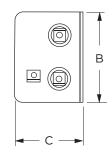


RFI Filter for Power Factor Corrected Power Supplies (continued)

U Series

Case Styles 6EU1

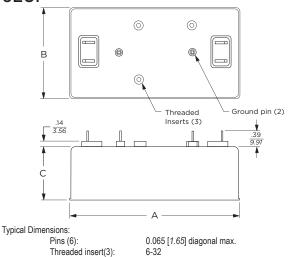




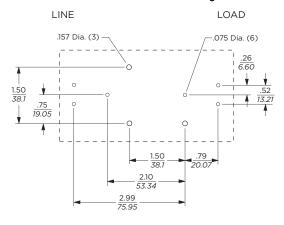
Typical Dimensions:

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

6EUP



Recommended PC Board Layout



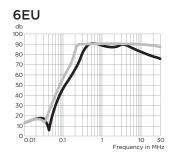
Case Dimensions

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

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system



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

Minimum Insertion Loss

Common Mode / Asymmetrical (Line to Ground)

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

Differential Mode / Symmetrical (Line to Line)

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