



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RFI Filter for Power Factor Corrected Power Supplies

U Series



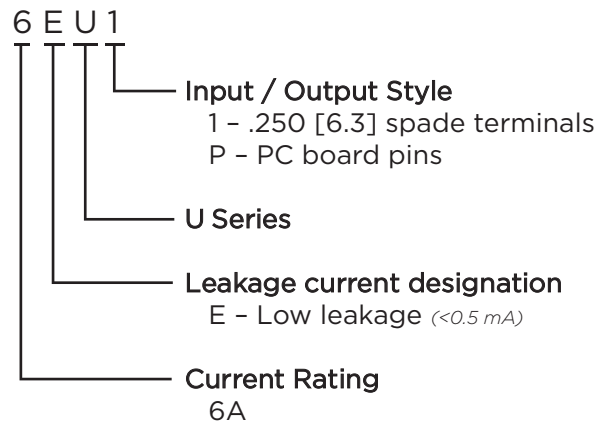
UL Recognized
CSA Certified
VDE Approved



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



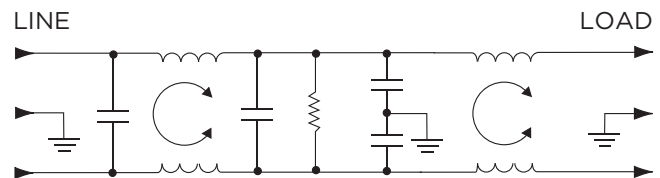
Available Part Numbers

6EUP	6EU1
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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

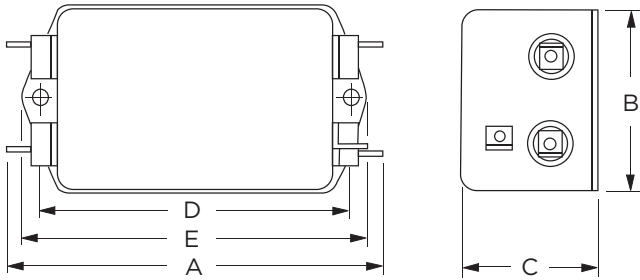


RFI Filter for Power Factor Corrected Power Supplies *(continued)*

U Series

Case Styles

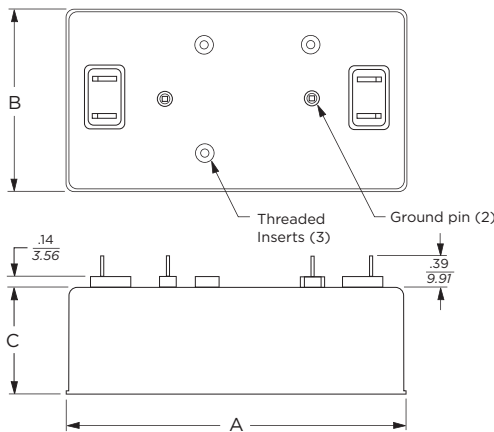
6EU1



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.

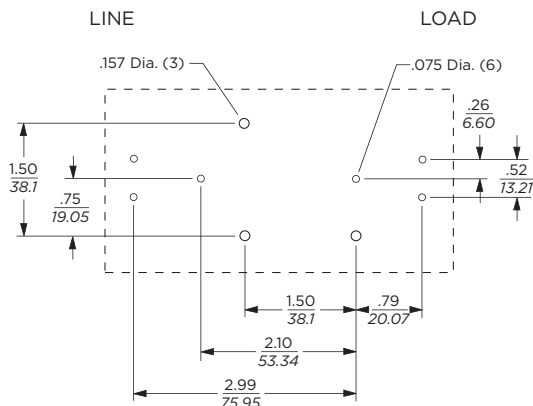
6EUP



Typical Dimensions:

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

Recommended PC Board Layout



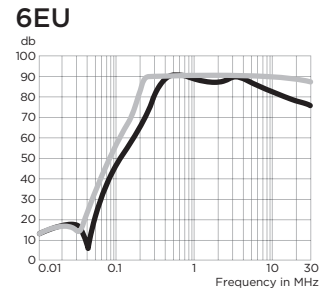
Case Dimensions

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



— 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