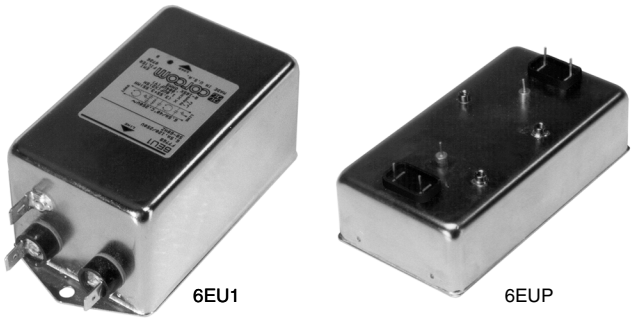
RFI Filter for Power Factor Corrected Power Supplies

U Series

UL Recognized
CSA Certified
VDE Approved



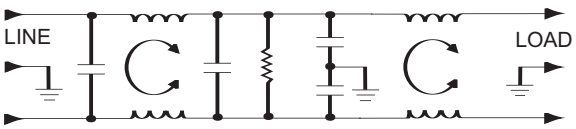
U Series

The U series is designed to meet the RFI needs created by power factor corrected power supplies. This high performance filter offers a high impedance circuit to mismatch the power supply's impedance characteristics. The economical design allows superior performance at a reasonable price.

The PC board mountable version has a low profile case which adapts well to most modular power converter applications.

All models meet low leakage current requirements of VDE portable equipment, and (120 Volt) UL544 and UL2601 non-patient medical equipment.

Electrical Schematic



Resistor location for reference only.

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 VDC
line-to-line	1450 VDC

Operating frequency: 50/60 Hz

Rated voltage (max.): 250 VAC

Rated current: 6.5 amps

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

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

Line-to-line in 50 ohm circuit

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

Catalog 1654001
Revised 05-07

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

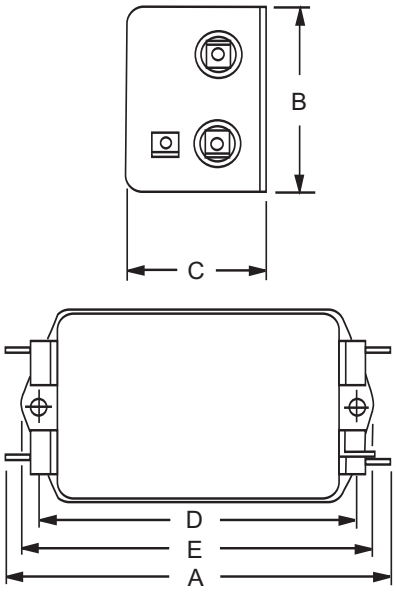
www.corcom.com
www.tycoelectronics.com

RFI Filter for Power Factor Corrected Power Supplies (Continued)

U Series

Case Styles

6EU1



Typical dimensions:
Terminals: .250 [*6.35*] (5)
Slot: .07 x .16 [*1.8 x 4.1*]
Holes: .07 [*1.8*] Dia.(4)
Mounting holes: .188 [*4.78*] Dia. (2)

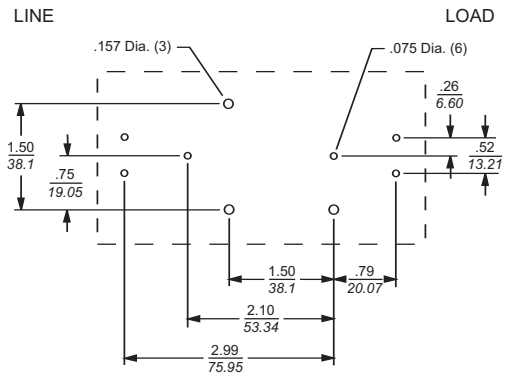
Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
6EUP	**4.70** *119.4*	**2.51** *63.8*	**1.22** *31.0*	—	—
6EU1	**4.95** *125.73*	**2.27** *57.66*	**1.80** *45.72*	**4.060** *103.12*	**4.47** *113.54*

Part Numbers

6EUP	6EU1

Recommended PC Board Layout



6EUP

