₹ Tyco Electronics

RFI Filter for Power Factor Corrected Power Supplies

U Series



UL Recognized CSA Certified VDE Approved

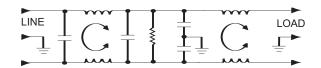
U Series

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

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

96 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

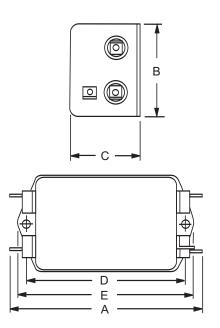
RFI Filter for Power Factor Corrected Power Supplies (Continued)

U Series

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Case Styles

6EU1



Case Dimensions

	Α	В	С	D	E
Part No.	(max)	(max)	(max)	± .015 ± .38	(max)
6EUP	4.70	2.51	1.22	_	_
0201	119.4	63.8	31.0		
6EU1	4.95	2.27	1.80	4.060	4.47
	125.73	57.66	45.72	103.12	113.54

Part Numbers

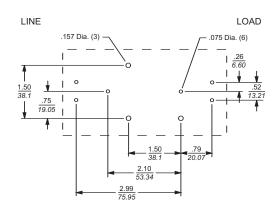
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6EUP	6EU1	
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Typical dimensions: Terminals: .250 [*6.35*] (5) Slot: .07 x .16 [*1.8 x 4.1*]

Holes: .07 [*1.8*] Dia.(4) Mounting holes: .188 [*4.78*] Dia. (2)

Recommended PC Board Layout



6EUP

