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**Electronics** 

## PC Board Mountable RFI Filters for General Purpose Applications

# **EDP, EOP Series**



**UL Recognized CSA Certified** VDE Approved

## **EDP Series**

The EDP series RFI filters provide enhanced differential mode performance for applications requiring more line-toline protection. The EDP filters feature low leakage current for European safety requirements.

This series is likewise PC board mounted and is only slightly taller than the EOP series filters. The EDP filters are also available up to 10 amps.

## **EOP Series**

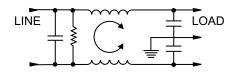
The EOP series RFI power line filters are general purpose filters which are effective in removing both common and differential mode noise for susceptibility applications. These filters have low leakage current for European safety requirements.

The compact design allows PC mounting with minimal space requirements. Available from 1 to 10 amps, the filters provide a cost effective alternative to on board components.

#### **Electrical Schematic**

Resistor location for reference only

## **EDP/EOP Models**







## **Specifications**

### Maximum leakage current, each line-to-ground

@ 120 VAC 60 Hz:	.22 mA
@ 250 VAC 50 Hz:	.38 mA
Hipot rating (one minute):	
line-to-ground	1500 VAC
line-to-line	1450 VDC
Operating frequency:	50/60 Hz
Rated voltage (max.):	250 VAC

#### Rated current:

1EDP/1EOP	1A
3EDP/3EOP	3A
6EDP/6EOP	6A
10EDP/10EOP	10A

#### EOP- Minimum insertion loss in dB: Line-to-ground in 50 ohm circuit

Current	Frequency-MHz					
Rating	.15	.5	1	5	10	30
1A	32	41	54	54	46	40
3A	18	28	35	41	40	40
6A	10	20	28	37	40	40
10A	5	14	19	27	33	40

Line-to-line in 50 ohm circuit

Current	Frequency-MHz							
Rating	.15	.5	1	2	4	10	20	30
1A	1	6	19	39	48	52	38	35
3A	1	4	9	9	28	41	36	35
6A	1	4	9	9	40	40	42	35
10A	1	4	9	9	14	35	42	35

### EDP — Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz					
Rating	.15	.5	1	5	10	30
1A	32	41	54	54	46	40
3A	18	28	35	41	40	40
6A	10	20	28	37	40	40
10A	5	14	19	27	33	40

Line-to-line in 50 ohm circuit

Germany:

Current		Fre	quency-	·MHz		
Rating	.15	.5	1	5	10	30
1A	4	14	42	42	44	38
3A	4	14	24	38	38	38
6A	4	14	22	30	34	34
10A	6	16	22	40	50	45

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RFI Power Line Filters

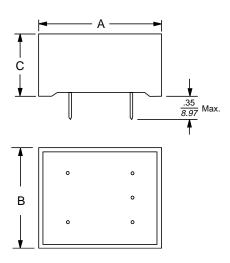
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PC Board Mountable RFI Filters for General Purpose Applications (Continued)

# **EDP, EOP Series**

## Case Style **EDP/EOP**



Pins .025 square

## **Case Dimensions**

	Α	В	С
Part No.	(max)	(max)	(max)
EDP	1.44	1.24	0.95
LDI	36.6	31.5	24.15
EOP	1.44	1.24	0.78
LOI	36.6	31.5	19.9

## **Part Numbers**

1EDP 3EDP	1EOP
3EDP	3EOP
6EDP	6EOP
10EDP	10EOP

## **Mounting Holes Pattern & Clearance**

