₹ Tyco Electronics

PC Board Mountable RFI Filters for General Purpose Applications

EDP, EOP Series

FL @

UL Recognized CSA Certified VDE Approved

EDP Series

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

PC board mounted and only slightly taller than the EOP series filters, the EDP filters are 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 board mounting with minimal space requirements. Available from 1 to 10 amps, the filters provide a cost effective alternative to on board components.

Electrical Schematic

EDP/EOP Models



Resistor location for reference only.



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	ЗA
6EDP/6EOP	6A
10EDP/10EOP	10A

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current		Frequ	iency-M	IHz		
Rating	.15	.5	1	5	10	30
EDP Model	s					
1A	32	41	54	54	46	40
ЗA	18	28	35	41	40	40
6A	10	20	28	37	40	40
10A	5	14	19	27	33	40
EOP Model	s					
1A	32	41	54	54	46	40
ЗA	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

Frequency-MHz							
.15	.!	5	1	5	1	0	30
3							
4	1	4	42	42	4	4	38
4	1	4	24	38	3	8	38
4	1	4	22	30	3	4	34
6	1	6	22	40	5	0	45
	F	requ	ency-	MHz			
.15	.5	1	2	4	10	20	30
5							
1	6	19	39	48	52	38	35
1	4	9	9	28	41	36	35
	• 4 4 4 6 • .15	3 4 1 4 1 6 1 F .15 .5 5 1 6	.15 .5 4 14 4 14 4 14 6 16 Freque .15 .5 1 5 1 6 19	.15 .5 1 4 14 42 4 14 24 4 14 22 6 16 22 Frequency- .15 .5 1 2 5 1 6 19 39	.15 .5 1 5 4 14 42 42 4 14 24 38 4 14 24 38 4 14 22 30 6 16 22 40 Frequency-MHz .15 .5 1 2 4 s 1 6 19 39 48	.15 .5 1 5 1 4 14 42 42 4 4 14 24 38 3 4 14 24 38 3 4 14 22 30 3 6 16 22 40 5 Frequency-MHz .15 .5 1 2 4 10 s 1 6 19 39 48 52	.15 .5 1 5 10 4 14 42 42 44 4 14 24 38 38 4 14 24 38 38 4 14 22 30 34 6 16 22 40 50 Frequency-MHz .15 .5 1 2 4 10 20 s 1 6 19 39 48 52 38

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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.

6A

10A

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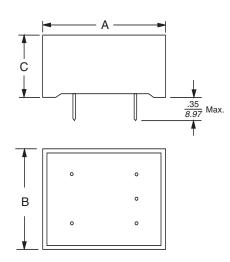
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PC Board Mountable RFI Filters for General Purpose Applications (Continued)

EDP, EOP Series

Case Style EDP/EOP

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Case Dimensions

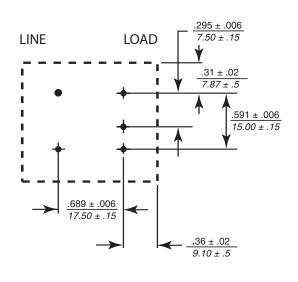
	Α	В	C (max)	
Part No.	(max)	(max)		
EDP	1.44	1.24	0.95	
LDI	36.6	31.5	24.15	
EOP	1.44	1.24	0.78	
LOI	36.6	31.5	19.9	

Part Numbers

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

Pins .025 square

Mounting Holes Pattern & Clearance



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