High Performance Power Line Filter for Medical Applications

HZ Series

Electronics

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UL Recognized CSA Certified VDE Approved

HZ Series

The HZ series provides good performance for filtering in medical applications. The leakage current for this filter is extremely low due to the absence of the line-to-ground capacitors. The high inductance value allows good performance for both differential and common mode noise in a compact package.

The filter is compact and available with a 3 amp current rating. Moderately priced, this filter is a good alternative for medical applications where additional protection is needed.

For more information on UL544, see Appendix C.

SEHZ1

Specifications

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Maximum leakage current, each line-to-ground						
@ 120 VAC 60 Hz:	2μΑ					
@ 250 VAC 50 Hz:	5μΑ					
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:						
3EHZ	ЗA					

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz							
Rating	.01	.05	.15	.5	1	5	10	30
3EHZ1	10	24	34	34	35	15	10	5

Line-to-line in 50 ohm circuit

Current		Frequency-MHz						
Rating	.03	.05	.15	.5	1	5	10	30
3EHZ1	10	25	54	70	70	65	55	55

Electrical Schematic



Resistor location for reference only.

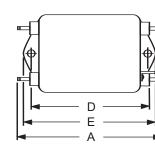
Revised 05-07

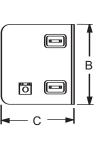
High Performance Power Line Filter for Medical Applications (Continued)

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Case Style HZ1





Case Dimensions								
Part No.	A (max)	B (max)	C (max)	D ± .015 ± .38	E (max)			
3EHZ1	3.54 <i>89.9</i>	2.08 52.8	1.31 <i>33.3</i>	2.938 74.63	3.35 <i>85.1</i>			

Part Number

3EHZ1

Typical dimensions:

 Terminals: .250 [6.35] (5)
 Holes: .07 [1.8] Dia.(4)

 Mounting Holes: .188 [4.78] Dia. (2)
 Slot: .07 x .16 [1.8 x 4.1]

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

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