#### High Performance Power Line Filter for Medical Applications

### **HZ Series**

Electronics

₹тусо



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.

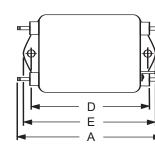
Revised 05-07

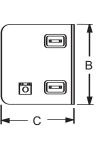
#### High Performance Power Line Filter for Medical Applications (Continued)

## **HZ Series**

Electronics

Case Style HZ1





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