

High Performance Power Line Filter for Medical Applications

HZ Series



UL Recognized
CSA Certified
VDE Approved



3EHZ1

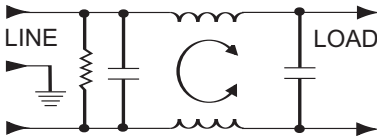
HZ Series

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.

Electrical Schematic



Resistor location for reference only.

Specifications

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

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

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

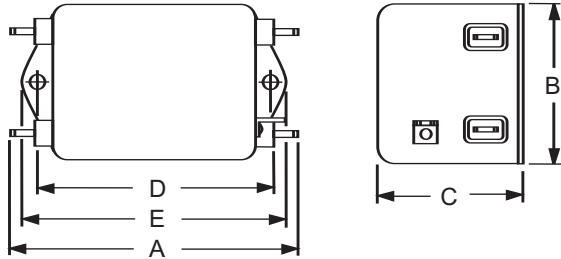
Line-to-line in 50 ohm circuit

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

HZ Series

Case Style

HZ1



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]

Case Dimensions

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

Part Number

3EHZ1