

HZ Series

High Performance
Power Line Filter
for Medical Applications



UL Recognized
CSA Certified
VDE Approved

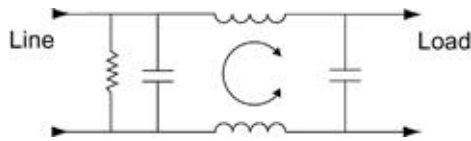
HZ Series

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.

See Appendix C for more information on UL544.

Electrical Schematic



Resistor location for reference only.



3EHZ1

Specifications

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

Hipot rating (one minute):
line-to-ground 2250 VDC
line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Rated current: **@ 120VAC** **@ 250VAC**
3EHZ 3A 2A

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

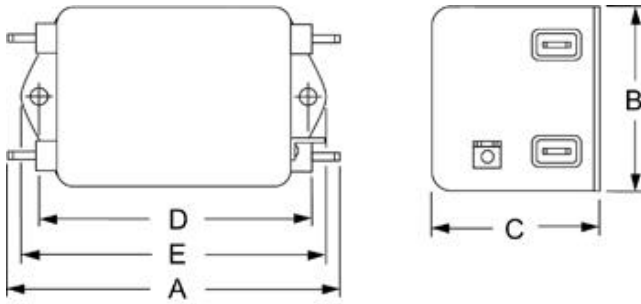
Line-to-line in 50 ohm circuit

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

Case Style

Metric shown in italics.

HZ1



Typical dimensions

Terminals: $\frac{.250}{6.35}$ (5) Holes: $\frac{.07}{1.8}$ Dia.(4) Slot: $\frac{.07 \times .16}{1.8 \times 4.1}$

Mounting holes: $\frac{.188}{4.78}$ Dia.(2)

Case Dimensions

Metric shown in italics.

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

Ordering Information

Consult your local Corcom sales representative for pricing.

Part No.

3EHZ1