H Series

• Minimal leakage current suitable for medical equipment
• Two element circuit provides basic EMI attenuation above 1 MHz
• Available with an internal ground circuit inductor (C suffix versions) to isolate equipment chassis from power line ground at radio frequencies
• Flanged mounting the same as the EC, ED and EF Series
• Capacitive output (see EAH, EBH and EJH Series for capacitive input)

Ordering Information

3 E H 1 C

- Ground Circuit Inductor
  Omit if none

- Output Styles
  Chassis Mount Style
  1 - .250 [6.3] spade terminals
  3 - Wire leads
  Power Inlet Style *
  4 - .250 [6.3] spade terminals (back)
  5 - Wire leads (bottom)
  8 - Wire leads (back)
  9 - .250 [6.3] spade terminals (bottom)

- H Series

- Leakage current designation
  E - Low Leakage (<0.5 mA)

- Current Rating
  3, 6, 10 or 15A

*IEC 60320-1 C14 inlet mates with C13 connector

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: 2 µA
@250 VAC 50 Hz: 5 µA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 3 to 15A*

Operating Ambient Temperature Range
(at rated current Ir):
-10°C to +40°C

In an ambient temperature (Ta) higher than +40°C
the maximum operating current (Io) is calculated as follows:

\[ Io = Ir \times \left( \frac{85 - Ta}{45} \right) \]

Available Part Numbers

<table>
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<tr>
<th>E6H4</th>
<th>6EH8</th>
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<tr>
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Ground Circuit Inductor Versions

| 10EH4C |

*5A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC
H Series

Case Styles

H1 (Chassis Mount)

Typical Dimensions:
- Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

H3 (Chassis Mount)

Typical Dimensions:
- Wire Leads (5): 4.0 [101.6] Min, 18AWG, UL1015

H4 & H4C

Typical Dimensions:
- Line Inlet (1): IEC 60320-1 C14
- Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

H5

Typical Dimensions:
- Line Inlet (1): IEC 60320-1 C14
- Wire Leads: 4.0 [101.6] Min, 18AWG, UL1015

H8

Typical Dimensions:
- Line Inlet (1): IEC 60320-1 C14
- Wire Leads: 4.0 [101.6] Min, 18AWG, UL1015

Recommended Panel Cutouts

Front Mount

Back Mount

Note 1: H4, H4C and H8 allow for front or back mounting
Note 2: H5 and H9 allow for back mounting only

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.
H Series

Case Dimensions

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<tr>
<th>Part No.</th>
<th>A (max.)</th>
<th>B (max.)</th>
<th>C (max.)</th>
<th>D</th>
<th>E (max.)</th>
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</tbody>
</table>

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord

FA601: Insulating Shroud

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system

3EH

6EH

10EH

15EH

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

<table>
<thead>
<tr>
<th>Current Rating</th>
<th>Frequency – MHz</th>
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</table>
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

6EH4  6EH8  10EH4  10EH1  10EH3  6EH3  6EH5  6EH1  6EH9  3EH3  3EH1  10EH4C  15EH4  10EH3 M0