High Performance RFI Power Line Filters for Medical Equipment

**HT Series**

- Designed to provide significant attenuation of RFI noise in the frequency range from 10kHz to 30MHz
- Size and cost-effective

**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:** (-10°C to +40°C) if an ambient temperature (Ta) higher than +40°C, the maximum operating current (Io) is calculated as follows: Io = Ir \( \frac{(85-Ta)}{45} \)

**Ordering Information**

- **Suffix**
  - M - Metric inserts (style 7 only)
  - Omit for standard or none
- **Input / Output Style**
  - 1 - .250 [6.3] spade terminals
  - 3 - Wire leads
  - 6 - Threaded bolt
  - 7 - IEC inlet* (line side)
  - .250 [6.3] spade terminals (load side)

**HT Series**

- **Leakage current designation**
  - E - Low leakage (<0.5 mA)
- **Current Rating**
  - 3, 6, 10 or 15A

**Available Part Numbers**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3EHT1</td>
<td>6EHT7</td>
</tr>
<tr>
<td>3EHT3</td>
<td>6EHT7M</td>
</tr>
<tr>
<td>3EHT7</td>
<td>10EHT1</td>
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<tr>
<td>3EHT7M</td>
<td>10EHT3</td>
</tr>
<tr>
<td>6EHT1</td>
<td>15EHT1</td>
</tr>
<tr>
<td>6EHT3</td>
<td>15EHT6</td>
</tr>
</tbody>
</table>

**Accessories**

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

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*IEC 60320-1 C14 inlet mates with C13 connector*
High Performance Power Line Filters for Medical Equipment (continued)

**HT Series**

**Electrical Schematics**

**3 & 6EHT**

**10EHT**

**15EHT**

**Case Styles**

**HT1 (3, 6, 10A)**

**HT1 (15A)**

**HT3**

**HT6**

**HT7 & HT7M**

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.
High Performance Power Line Filters for Medical Equipment (continued)

### HT Series

#### Recommended Panel Cutout

![Recommended Panel Cutout Diagram]

- Dimensions: 1.575 x 3.98 in (0.01 x 0.01 mm)
- Tolerance: ±0.005 [0.13]

#### Performance Data

**Typical Insertion Loss**

Measured in closed 50 Ohm system

![Typical Insertion Loss Graphs]

**Minimum Insertion Loss**

- Common Mode / Asymmetrical (Line to Ground)
- Differential Mode / Symmetrical (Line to Line)

<table>
<thead>
<tr>
<th>Current</th>
<th>Frequency – MHz</th>
<th>0.02</th>
<th>0.05</th>
<th>0.08</th>
<th>0.15</th>
<th>0.2</th>
<th>0.5</th>
<th>1</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>30</th>
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<td>12</td>
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**Case Dimensions**

<table>
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<tr>
<th>Part No.</th>
<th>A (max)</th>
<th>B (max)</th>
<th>C (max)</th>
<th>D ± 0.015</th>
<th>E (max)</th>
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*Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)