HELICAL EDGE WOUND TOROID INDUCTOR

HT1500 SERIES

- Helical Edge Wound (HEW™) Flat Wire Toroid Inductors
- Low core loss
- Excellent heat dissipation
- Good DC bias characteristics
- Lower ACR than traditional round wire
- Extremely low interwinding capacitance
- Operating Temperature -40ºC to +150ºC
- Vertical and horizontal mount versions available (add -V or -H after part number for mounting version)

ELECTRICAL PARAMETERS @ 25°C

<table>
<thead>
<tr>
<th>Part Number</th>
<th>INDUCTANCE (μH) ±12%</th>
<th>DCR (mΩ) MAX</th>
<th>Isat (A) Typ 10% drop</th>
<th>Isat (A) Typ 20% drop</th>
<th>Isat (A) Typ 30% drop</th>
<th>Irms (A) Typ 40ºC rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT1500-121</td>
<td>120.0</td>
<td>65.0</td>
<td>5.8</td>
<td>8.5</td>
<td>11.3</td>
<td>6</td>
</tr>
<tr>
<td>HT1500-281</td>
<td>285.0</td>
<td>65.0</td>
<td>2.5</td>
<td>3.8</td>
<td>5.0</td>
<td>6</td>
</tr>
<tr>
<td>HT1500-361</td>
<td>360.0</td>
<td>65.0</td>
<td>2.0</td>
<td>3.0</td>
<td>4.1</td>
<td>6</td>
</tr>
</tbody>
</table>

Note:
1. Inductance measured at 10KHz, 1Vrms
2. Isat is DC current at which the inductance drops the specified amount from its original value without bias.
3. Irms is the DC current that causes the specified temperature rise of the winding from 25ºC ambient for the inductor.

DIMENSIONS (inch / [mm])

VERTICAL MOUNT

HORIZONTAL MOUNT

Dimensions
Unless otherwise specified, all tolerances are:
inch: XX ±0.015   XXX ±0.004
mm: X XX ±0.38   X XX ±0.10

Product performance is limited to specified parameters. Data is subject to change without prior notice.
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