OUTLINE DIMENSIONS/RECOMMENDED PCB LAYOUT (inch/mm)

OUTLINE
- Slim type.
- Self shielded.
- Height: 6mm Max.
- Low resistance.
- Excellent DC current characteristics.

APPLICATIONS
- Laptop and Notebook computers and PDAs.
- DC/DC converters.
- Inductor for general purpose use.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX1005-102K</td>
<td>0.394</td>
<td>0.500</td>
<td>0.193</td>
<td>0.095</td>
<td>0.087</td>
<td>0.299</td>
<td>0.287</td>
<td>0.110</td>
<td>0.118</td>
</tr>
<tr>
<td></td>
<td>10.00</td>
<td>12.70</td>
<td>4.90</td>
<td>2.40</td>
<td>2.20</td>
<td>7.60</td>
<td>7.30</td>
<td>2.80</td>
<td>3.00</td>
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</tbody>
</table>

MARKING
- INDUCTANCE CODE

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inductance (uH± 10%) (Note 1)</th>
<th>Q REF</th>
<th>SRF (MHZ) TYP.</th>
<th>DC Resistance (Ωmax)</th>
<th>Rated Current(Amp) (Note 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AX1005-102K</td>
<td>1000.0</td>
<td>70</td>
<td>2.0</td>
<td>3.20</td>
<td>0.22</td>
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</tbody>
</table>

Note: 1. Inductance measured at 1V, 100.0kHz without DC current.
2. Rated DC current is the approximate current at which inductance will be decreased by 10% from its initial (zero DC) value or the DC current at which ΔT=40°C, whichever is lower.

Storage Temp: -40 to 125°C
Operating Temp: -40 to 85°C
Resistance to Solder Heat: 260°C for 10 sec. Max

RoHS Compliance: As of manufacturing date February 2005, all standard products meet the requirements of 2011/65/EU, known as the RoHS initiative.

* Upon printing, this document is considered “uncontrolled”. Please contact Triad Magnetics' website for the most current version.