10/100 Base-T for Ethernet Applications
Standard operating temp: 0ºC to +70ºC
Transmit open circuit inductance (OCL): 350uH (MIN)
@ 100KHz, 0.1Vrms with 8mA DC Bias
RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value 1</th>
<th>Value 2</th>
<th>Value 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCL(uH Min) @ 100kHz, 0.1V</td>
<td>350</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With 8mA DC Bias</td>
<td></td>
<td>1:1 ±5%</td>
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</tr>
<tr>
<td>DC Resistance</td>
<td>1.2 Ohms Max</td>
<td></td>
<td>-30</td>
</tr>
<tr>
<td>Cross Talk (dB Min)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Electrical Specifications @ 25°C

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Insertion Loss (dB Max)</th>
<th>Return Loss (dB Min) @ Load 100 Ohm</th>
<th>Common to Common Mode Attenuation (dB Min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-100 MHz</td>
<td>-1.2</td>
<td>-16</td>
<td>-30</td>
</tr>
<tr>
<td>1-30MHz</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>30-60MHz</td>
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<tr>
<td>60-80MHz</td>
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<tr>
<td>1-100 MHz</td>
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</tbody>
</table>

All specifications subject to change without notice.
SCHEMATIC

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1CT:1CT

J1
J2
J3
J4
J5
J6

NOTES

1. CONNECTOR MATERIAL:
   HOUSING:PA66 BLACK UL94 V-0
   INSERTER:PET BLACK UL94 V-0
   SHIELD:Brass
   SHIELD PLATING:NICKEL
   CONTACT:PHOSPHOR BRONZE
   CONTACT PLATING:SELECTIVE GOLD, 30 MICRO-INCHES MIN IN CONTACT AREA
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED SEE ELECTRICAL DRAWING
   FOR OMITTED PINS
3. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68.
4. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING
   TEMPERATURE IS 260°C MAX, 10 SECs MAX.
5. OPERATING TEMPERATURE T=-40°C TO +70°C.
6. STORAGE TEMPERATURE T=-40°C TO +85°C.