General Description:

The TVC3737CT-50R0JN-2T-04 is a 50 ohm, Aluminum Nitride chip termination. It has an input power of 250 watts, while maintaining a constant mounting surface temperature of 100°C. It offers a frequency range from DC to 3 GHz.

### Features:

- Aluminum Nitride Material
- DC - 3 GHz Performance
- 250 Watt Input Power
- Solder Mountable

### General Description:

The TVC3737CT-50R0JN-2T-04 is a 50 ohm, Aluminum Nitride chip termination. It has an input power of 250 watts, while maintaining a constant mounting surface temperature of 100°C. It offers a frequency range from DC to 3 GHz.

### DERATING CURVE:

- **% of Rated Power**
- **Heat Sink Temperature** in °C

### Parameter Table

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>DC</td>
<td>3</td>
<td></td>
<td>GHz</td>
</tr>
<tr>
<td>Input Return Loss</td>
<td>19</td>
<td>25</td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Input Power</td>
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<td>Watts</td>
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<tr>
<td>Resistance</td>
<td>47.5</td>
<td>50</td>
<td>52.5</td>
<td>Ohms</td>
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<tr>
<td>Mounting Surface Temperature</td>
<td></td>
<td>100</td>
<td></td>
<td>°C</td>
</tr>
</tbody>
</table>

Barry Industries reserves the right to change part number and or process without notification.

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