**TZC3725CT-XXXXJN-99**

**Chip Termination**

**BeO**

**Features:**
- BeO Material
- DC - 2 GHz Performance
- 50 Watt Input Power
- Solder Mountable
- CT - Matte Tin over Nickel over Silver

**General Description:**

The TZC3725CT-XXXX*JN-99 is a solder mountable BeO chip termination. It has an input power of 50 watts, while maintaining a constant mounting surface temperature of 100°C. It offers a frequency range from DC to 2 GHz. (See below for ordering options.)

**Dimensions in inches:**

- 0.270 (6.86 mm)
- 0.135 (3.43 mm)
- 0.050 (1.27 mm)

**Tolerance ± 0.010 unless otherwise stated.**

<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></td>
<td>2</td>
<td>GHz</td>
</tr>
<tr>
<td>Input Return Loss</td>
<td>17</td>
<td></td>
<td></td>
<td>dB</td>
</tr>
<tr>
<td>Input Power</td>
<td></td>
<td>50</td>
<td></td>
<td>Watts</td>
</tr>
<tr>
<td>Resistance</td>
<td>+/- 5%</td>
<td></td>
<td></td>
<td>Ohms</td>
</tr>
<tr>
<td>Mounting Surface Temperature</td>
<td></td>
<td></td>
<td>100</td>
<td>°C</td>
</tr>
</tbody>
</table>

*XXXX = Resistance Value in Ohms

0.5 ........ R500
1 ........... 1R00
10 .......... 10R0
50 .......... 50R0
100......... 1000
150......... 1500
1K .......... 1001
10K .......  1002
100K .....  1003
470K .....  4703
1M ........  1004

Sample part number:
TZC3725CT-50R0JN-99

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

Barry Industries, Inc., 60 Walton St., Attleboro, MA 02703  T: 508-226-3350  F: 508-226-3317  E-mail: sales@barryind.com
Barry Industries maintains an ISO 9001 Certified Quality Management System.