Waveguide Isolator, WR15, 59-64GHz
UG383/U Flange, 1Watt Reverse Power

**Specifications**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Full Band</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>59-64</td>
<td>GHz</td>
</tr>
<tr>
<td>Insertion loss</td>
<td>0.5</td>
<td>dB max</td>
</tr>
<tr>
<td>Isolation</td>
<td>18</td>
<td>dB min</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.3:1</td>
<td>min</td>
</tr>
<tr>
<td>Waveguide Flange</td>
<td>UG383/U</td>
<td>Watt</td>
</tr>
<tr>
<td>Rated power Forward</td>
<td>1</td>
<td>Watt</td>
</tr>
<tr>
<td>Rated power Reverse</td>
<td>1</td>
<td>Watt</td>
</tr>
<tr>
<td>Operating Temp</td>
<td>-40 to 50</td>
<td>°C</td>
</tr>
<tr>
<td>Non-Operating Temp</td>
<td>-55 to 80</td>
<td>°C</td>
</tr>
<tr>
<td>Vibration</td>
<td>3G @ +50°C</td>
<td>5 to 500 Hz sinewave</td>
</tr>
<tr>
<td>Shock (for 6ms)</td>
<td>30,000 G for 6mSec operating, 15G non operating</td>
<td>5 to 500 Hz sinewave</td>
</tr>
<tr>
<td>Humidity</td>
<td>95% operating, 60% non operating</td>
<td>at 50 °C</td>
</tr>
</tbody>
</table>

**Direction of RF:**
- **R**: Default
- **L**:

**Order Examples:** RADI-59-64-WR15(UG383/U)-1WR-b
- **I=** ISOLATOR / **C=** CIRCULATOR

**WR15**
3.759 x 1.879mm
(0.148 x 0.074)

4-40 UNC-2B, Thread thru.
Counterbore 3.2 mm
0.3 ±0.02mm deep, 4 places

**C/Line**

Standard Pins (A) 2 per side,
2 sides. 1.56 thick

To fit Pins: Ø1.562 to 1.549
2 per side, 2 sides (marked A)
Csk 45° x 0.38mm

1.71 Ø holes
2 per side, 2 sides
Csk 45° x 0.38mm

Tolerance: ±0.2 unless otherwise stated.
Material: Silver plated brass.

**Material:** Silver plated brass.

**Order Examples:** RADI-59-64-WR15(UG383/U)-1WR-b
- **I=** ISOLATOR / **C=** CIRCULATOR

**Specifications may be subject to change** 06/25/12

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, CA 95125, U.S.A.
Tel: (408) 266-7404  FAX: (408) 266-4483
WEB: www.raditek.com  E-mail: sales@raditek.com

1 of 1