RADITEK INC.

Waveguide Isolator, 92-96 GHz
WR10, 20 Watts

Specifications may be subject to change 10/10/19

RADI-92-96-WR10-20WR-b

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>92-96</td>
</tr>
<tr>
<td>Band Width</td>
<td>4 GHz</td>
</tr>
<tr>
<td>Insertion loss</td>
<td>0.5 dB</td>
</tr>
<tr>
<td>Isolation</td>
<td>20 dB</td>
</tr>
<tr>
<td>VSWR</td>
<td>1.25 :1</td>
</tr>
<tr>
<td>Power handling</td>
<td>20 Watt</td>
</tr>
<tr>
<td>Load Power</td>
<td>20 Watt</td>
</tr>
<tr>
<td>Interface</td>
<td>WR-10</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10 to 50 °C</td>
</tr>
</tbody>
</table>

Direction of RF:

R Default
L

Order Examples: RADI-92-96-WR10-20WR
I=ISOLATOR

To be mounted on the heatsink.

Tolerance Table Metric (inch) (unless otherwise stated):
- Hole diameter +/- 0.1mm, (+/- 0.004")
- Dimensions (w"h") +/- 0.3 mm, (+/- 0.015")
- Dimensions (Waveguide Slot Position, +/- 0.1mm, (+/- 0.04")
- Dimensions (hole position) +/- 0.1mm, (+/- 0.04")

Machined surfaces:
- Flatness 0.025/mm, (0.001"/inch)
- Bend radius 0.8mm, (0.031" or 1/32")

Units: mm (Inch)
Not to scale

To fit PINS: Ø1.552 to 1.549
(1.554 nominal) 2 per side, 2 sides (marked A)
Csk 45° x 0.38mm

C/Line

WR10 coverage is 75-110GHz

Standard Pins (A) Spherical ends 2 per side, 2 sides

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