**RADITEK INC.**

**Isolator / Circulator 3.3 to 15 GHz dd2**

RADI/C-3.4-15G (1G bw max) –dd2-NX/SX/TX-20W/10W/1W/0.25WR

(for 30W version, see page 2)

**STD Frequencies:**
- 3.4-4.2GHz / 5G: 4.4-5.0GHz / 6G: 5.9-6.4GHz
- 7G: 6.4-7.1GHz, 7.5G: 7.1-7.7GHz, 8G: 7.7-8.3GHz, 8.2-8.5GHz, 11G: 10.7-11.7GHz (11G-1: 10.6-11.1GHz, 11G-2: 10.2-11.7GHz); 14.5-15.5GHz

**Specifications:**

- **Insertion loss**: 0.5, 0.3, 0.3, 0.4, 0.3 dB (maximum)
- **Isolation**: 18, 23, 24, 20, 20 dB (minimum)
- **VSWR**: 1.25, 1.20, 1.20, 1.25, 1.20 dB (minimum)
- **Rated power Forward**: 35, 35, 35, 35, 35 Watts (average)
- **Rated power Reverse**: 0.25, 1, 2, 10, 20, 1, 1, 0.25, 1, 2, 10, 20, 1 Watts (average)
- **Operating temp.**: -30 to 75 °C

**SMA/TNC/Nf Connector options (X)**

- **Isolator**
  - Port 1: Female, Male
  - Port 2: Male, Female
  - Isolated: Male, Female

- **Circulator**
  - Port 1: Male, Female
  - Port 2: Female, Male
  - Isolated: Female, Male

**Order Examples:** RADI-F1-F2-dd2-SX-1WR

**Units:** Inches

**Directions of RF:**
- **R** (Default)
- **L**

**Positions of load and connectors is interchangeable**

Use I/C 3.4-12GHz ff1 if N Male Connectors
Use I/C 3.4-12GHz dd2 if SMA Female, SMA Male, or N Female Connectors

**Tolerance (unless otherwise stated):**
- Hole diameter: ±0.004
- Dimensions: ±0.01
- Machined surfaces: ±0.003
- Flatness: ±0.001/inch
- Bend radius: 1/8` inch

**Specifications may be subject to change** 08/15/07

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Isolator / Circulator 3.3 to 15 GHz dd2
RADI/C-3.4-15G (1G bw max) –dd2-NX/SX/TX-20W/10W/1W/0.25WR

Specifications:

<table>
<thead>
<tr>
<th>Frequency GHz</th>
<th>Insertion loss dB (max)</th>
<th>Isolation dB (min)</th>
<th>VSWR</th>
<th>Power Fwd Watts</th>
<th>Power Rev Watts</th>
<th>Op.Temp °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0-3.6</td>
<td>0.5</td>
<td>18</td>
<td>1.29</td>
<td>50</td>
<td>1</td>
<td>0 to +70</td>
</tr>
<tr>
<td>3.65-3.75</td>
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<td>25</td>
<td>1.15</td>
<td>25</td>
<td>25</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>4.0-4.4</td>
<td>0.5</td>
<td>23</td>
<td>1.25</td>
<td>1</td>
<td>1</td>
<td>-20 to +70</td>
</tr>
<tr>
<td>4.4-5.9</td>
<td>0.4</td>
<td>20</td>
<td>1.25</td>
<td>10</td>
<td>10</td>
<td>-30 to +75</td>
</tr>
<tr>
<td>4.9-5.1</td>
<td>0.3</td>
<td>25</td>
<td>1.15</td>
<td>25</td>
<td>25</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>5.1-5.6</td>
<td>0.4</td>
<td>20</td>
<td>1.25</td>
<td>10</td>
<td>10</td>
<td>-20 to +70</td>
</tr>
<tr>
<td>5.4-5.9</td>
<td>0.4</td>
<td>20</td>
<td>1.25</td>
<td>1</td>
<td>1, 10</td>
<td>-10 to +70</td>
</tr>
<tr>
<td>7.25-7.75</td>
<td>0.5</td>
<td>20</td>
<td>1.25</td>
<td>1</td>
<td>1</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>7.9-8.4</td>
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<td>20</td>
<td>1.20</td>
<td>20</td>
<td>2</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>9.0-10.4</td>
<td>0.5</td>
<td>20</td>
<td>1.25</td>
<td>20</td>
<td>2</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>9.5-11.0</td>
<td>0.5</td>
<td>20</td>
<td>1.25</td>
<td>20</td>
<td>2</td>
<td>-10 to +50</td>
</tr>
<tr>
<td>13.5-14.5</td>
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<td>20</td>
<td>1.25</td>
<td>20</td>
<td>2</td>
<td>-10 to +50</td>
</tr>
</tbody>
</table>

Positions of load and connectors is interchangeable

Tolerance (unless otherwise stated):
- Hole diameter ±0.004
- Dimensions 2 DPL±0.01, 3 DPL±0.003
- Machined surfaces 63√
- Flatness ±0.001/inch
- Bend radius 1/32 inch

RADI-3.4-15G-dd2-SX-0.25-20WR-Generic-b Specifications may be subject to change 08/15/07