**RF CHARACTERISTICS**

- **Frequency Range**: DC - 18 GHz
- **Impedance**: 50 Ohms
- **Attenuation - Nominal**: 2.00 dB

<table>
<thead>
<tr>
<th>Frequency</th>
<th>DC - 2 GHz</th>
<th>2 - 4 GHz</th>
<th>4 - 8 GHz</th>
<th>8 - 12.4 GHz</th>
<th>12.4 - 18 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>V.S.W.R</td>
<td>&lt;= 1.10</td>
<td>&lt;= 1.15</td>
<td>&lt;= 1.20</td>
<td>&lt;= 1.25</td>
<td>&lt;= 1.35</td>
</tr>
<tr>
<td>Deviation (dB)</td>
<td>+0.3 / -0.3</td>
<td>+0.3 / -0.3</td>
<td>+0.3 / 0.3</td>
<td>+0.3 / -0.3</td>
<td>+0.3 / -0.3</td>
</tr>
</tbody>
</table>

**General tolerances:** +/- 0.5 mm

- **Temperature Sensitivity**: $4 \times 10^{-4}$ dB per °C
- **Peak Power at 25°C (1μs, 1%)**: 100 W
- **Average Power at 25°C**: 2 W

**MECHANICAL CHARACTERISTICS**

- **Connectors**: SMA male/female per MIL-C 39012
- **Weight**: < 5 g

**ENVIRONMENTAL CHARACTERISTICS**

- **Operating Temperature Range (°C)**: -55, +125
- **Storage Temperature Range (°C)**: -55, +125

<table>
<thead>
<tr>
<th>Power derating (%)</th>
<th>Temperature (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>-55</td>
</tr>
<tr>
<td>75</td>
<td>-25</td>
</tr>
<tr>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>-25</td>
<td>75</td>
</tr>
<tr>
<td>-55</td>
<td>100</td>
</tr>
<tr>
<td>125</td>
<td>T(°C)</td>
</tr>
</tbody>
</table>