QDS Male to Type N Female Adapter

Product Classification

Product Type
Adapter

General Specifications

Interface
QDS Male
Interface 2
N Female
Body Style
Straight
Mounting Angle
Straight

Electrical Specifications

Connector Impedance
50 ohm
Operating Frequency Band
0 – 3000 MHz
Average Power at Frequency
600.0 W @ 900 MHz
RF Operating Voltage, maximum (vrms)
707.00 V
dc Test Voltage
2500 V
Outer Contact Resistance, maximum
3.00 mOhm
Inner Contact Resistance, maximum
6.00 mOhm
Insulation Resistance, minimum
5000 MOhm
Peak Power, maximum
10.00 kW
Mechanical Specifications

Inner Contact Plating: Gold
Interface Durability: 500 cycles
Interface Durability Method: IEC 61169-16:9.5
Outer Contact Plating: Trimetal
Pressurizable: No

Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value 1</th>
<th>Value 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>25.61 mm</td>
<td>1.01 in</td>
</tr>
<tr>
<td>Length</td>
<td>44.50 mm</td>
<td>1.75 in</td>
</tr>
<tr>
<td>Weight</td>
<td>82.00 g</td>
<td>0.18 lb</td>
</tr>
<tr>
<td>Width</td>
<td>25.61 mm</td>
<td>1.01 in</td>
</tr>
</tbody>
</table>

Environmental Specifications

Operating Temperature: -55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature: -65 °C to +125 °C (-85 °F to +257 °F)
Mechanical Shock Test Method: IEC 60068-2-27
Climatic Sequence Test Method: IEC 60068-1
Damp Heat Steady State Test Method  IEC 60068-2-3
Thermal Shock Test Method  IEC 60068-2-14
Vibration Test Method  IEC 60068-2-6
Corrosion Test Method  IEC 60068-2-11

Standard Conditions

Attenuation, Ambient Temperature  20 °C  |  68 °F
Average Power, Ambient Temperature  40 °C  |  104 °F
Average Power, Inner Conductor Temperature  100 °C  |  212 °F

Return Loss/VSWR

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–2200 MHz</td>
<td>1.13</td>
<td>24.04</td>
</tr>
<tr>
<td>2200–3000 MHz</td>
<td>1.25</td>
<td>19.24</td>
</tr>
</tbody>
</table>

Regulatory Compliance/Certifications

Agency  Classification
RoHS 2011/65/EU  Compliant by Exemption
ISO 9001:2015  Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014  Above Maximum Concentration Value (MCV)