QN Female Bulkhead

Product Classification

Product Type
Device connector

General Specifications

Body Style
Bulkhead

Inner Contact Attachment Method
Solder

Inner Contact Plating
Gold

Interface
QN Female

Outer Contact Plating
Trimetal

Dimensions

Width
22.1 mm | 0.87 in

Length
48.1 mm | 1.894 in

Diameter
22.1 mm | 0.87 in

Outline Drawing
### Electrical Specifications

- **Connector Impedance**: 50 ohm
- **dc Test Voltage**: 2500 V
- **Inner Contact Resistance, maximum**: 1.5 mOhm
- **Insulation Resistance, minimum**: 5000 MOhm
- **Operating Frequency Band**: 0 – 6000 MHz
- **Outer Contact Resistance, maximum**: 1.5 mOhm
- **Peak Power, maximum**: 10 kW
- **RF Operating Voltage, maximum (vrms)**: 707 V

### VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
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<tbody>
<tr>
<td>0–6000 MHz</td>
<td>1.2</td>
<td>20.83</td>
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### Mechanical Specifications

- **Interface Durability**: 100 cycles
- **Interface Durability Method**: IEC 61169-16:9.5
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)

Attenuation, Ambient Temperature
20 °C | 68 °F

Average Power, Ambient Temperature
40 °C | 104 °F

Average Power, Inner Conductor Temperature
100 °C | 212 °F

Climatic Sequence Test Method
IEC 60068-1

Corrosion Test Method
IEC 60068-2-11

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

Packaging and Weights

Weight, net
35.45 g | 0.078 lb