Type N Female to Type N Female Adapter

Product Classification

Product Type Adapter

General Specifications

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

Electrical Specifications

Connector Impedance 50 ohm
Operating Frequency Band 0 – 6000 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 0.25 mOhm
Inner Contact Resistance, maximum 1.00 mOhm
Insulation Resistance, minimum 5000 MOhm
Peak Power, maximum 10.00 kW
Outline Drawing

(Mechanical Specifications)

Inner Contact Plating: Gold
Insertion Force: 28.00 N | 6.29 lbf
Insertion Force Method: IEC 61169-16:9.3.5
Interface Durability: 500 cycles
Interface Durability Method: IEC 61169-16:9.5
Outer Contact Plating: Trimetal
Pressurizable: No

(Dimensions)

Diameter: 16.00 mm | 0.63 in
Length: 39.09 mm | 1.54 in
Weight: 46.35 g | 0.10 lb
Width: 16.00 mm | 0.63 in

(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  
Climatic Sequence Test Method  
Damp Heat Steady State Test Method  
Thermal Shock Test Method  
Vibration Test Method  
Corrosion Test Method

IEC 60068-2-27  
IEC 60068-1  
IEC 60068-2-3  
IEC 60068-2-14  
IEC 60068-2-6  
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>0–3000 MHz</td>
<td>1.05</td>
<td>32.00</td>
</tr>
<tr>
<td>3000–6000 MHz</td>
<td>1.13</td>
<td>24.00</td>
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</tbody>
</table>

Regulatory Compliance/Certifications

Agency  
RoHS 2011/65/EU  
ISO 9001:2015  
China RoHS SJ/T 11364-2014

Classification  
Compliant by Exemption  
Designed, manufactured and/or distributed under this quality management system  
Above Maximum Concentration Value (MCV)