Type N Female to 7/8 in EIA Flange Adapter

Product Classification

Product Type
Adapter

General Specifications

Body Style
Straight

Inner Contact Plating
Silver

Interface
7/8 in EIA Flange

Interface 2
N Female

Mounting Angle
Straight

Outer Contact Plating
Copper alloy treatment

Pressurizable
No

Dimensions

Length
79.5 mm | 3.13 in

Diameter
56.93 mm | 2.241 in

Electrical Specifications

Average Power at Frequency
300.0 W @ 900 MHz

Connector Impedance
50 ohm

dc Test Voltage
2000 V

Inner Contact Resistance, maximum
5 mOhm

Insulation Resistance, minimum
5000 MΩhm

Operating Frequency Band
0 – 3000 MHz

Outer Contact Resistance, maximum
5 mOhm

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–1500 MHz</td>
<td>1.2</td>
<td>20.83</td>
</tr>
<tr>
<td>1500–3000 MHz</td>
<td>1.35</td>
<td>16.54</td>
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</tbody>
</table>

Mechanical Specifications

Insertion Force
28 N | 6.295 lbf
Insertion Force Method
IEC 61169-16:9.3.5

Interface Durability
500 cycles

Interface Durability Method
IEC 61169-12:9.5

Mechanical Shock Test Method
IEC 60068-2-27

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
453.59 g | 1 lb

Regulatory Compliance/Certifications

Agency       Classification
CHINA-ROHS   Below maximum concentration value
ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system
REACH-SVHC  Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS         Compliant