7-16 DIN Female to 7-16 DIN Female Adapter

Product Classification
Product Type: Adapter

General Specifications
Body Style: Straight
Inner Contact Plating: Silver
Interface: 7-16 DIN Female
Interface 2: 7-16 DIN Female
Mounting Angle: Straight
Outer Contact Plating: Trimetal
Pressurizable: No

Dimensions
Width: 30 mm | 1.181 in
Length: 29.2 mm | 1.15 in
Diameter: 34 mm | 1.339 in

Outline Drawing
Electrical Specifications

Average Power at Frequency: 1,300.0 W @ 900 MHz
Connector Impedance: 50 ohm
dc Test Voltage: 4000 V
Inner Contact Resistance, maximum: 0.4 mOhm
Insulation Resistance, minimum: 10000 MOhm
Operating Frequency Band: 0 – 7500 MHz
Outer Contact Resistance, maximum: 1.5 mOhm
Peak Power, maximum: 28.8 kW
RF Operating Voltage, maximum (vrms): 1200 V

VSWR/Return Loss

<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>1.032</td>
<td>36.06</td>
</tr>
<tr>
<td>3000–6000 MHz</td>
<td>1.083</td>
<td>27.99</td>
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</tbody>
</table>

Mechanical Specifications

Insertion Force: 200 N | 44.962 lbf
Insertion Force Method: IEC 61169-4:15.2.4
Interface Durability: 500 cycles
Interface Durability Method  IEC 61169-4:9.5
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
Immersion Depth  1 m
Immersion Test Mating  Mated
Immersion Test Method  IEC 60529:2001, IP68
Thermal Shock Test Method  IEC 60068-2-14
Vibration Test Method  IEC 60068-2-6

Packaging and Weights

Weight, net  88.65 g | 0.195 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
UK-ROHS  Compliant

* Footnotes

Immersion Depth  Immersion at specified depth for 24 hours