Dual Band dc Block, 650–2700 MHz, with interface types DIN Female and DIN Male

Product Classification

**Product Type**
dc Block

**Ordering Note**
CommScope® standard product in Mexico, Central America, and South America | CommScope® standard product in the United States and Canada

General Specifications

**Inner Contact Plating**
Silver

**Interface**
7-16 DIN Female

**Interface 2**
7-16 DIN Male

**Outer Contact Plating**
Trimetal

**Pressurizable**
No

**Dimensions**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>36.07 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>36.07 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>72.9 mm</td>
</tr>
</tbody>
</table>

Outline Drawing
Electrical Specifications

3rd Order IMD: -116 dBm
3rd Order IMD Test Method: Two +43 dBm carriers
Insertion Loss, typical: 0.1 dB
Average Power at Frequency: 250.0 W @ 1,940 MHz | 500.0 W @ 883 MHz
Connector Impedance: 50 ohm
dc Test Voltage: 48 V
Injector Port to Antenna Isolation, minimum: -70 dB
Operating Frequency Band: 650 – 2700 MHz
Peak Power, maximum: 13 kW

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>650–2700 MHz</td>
<td>1.13</td>
<td>24.29</td>
</tr>
</tbody>
</table>

Mechanical Specifications

Attachment Durability: 25 cycles
Coupling Nut Proof Torque: 24.86 N-m | 220.03 in lb
Coupling Nut Retention Force: 1,000.85 N | 225 lbf
Coupling Nut Retention Force Method: MIL-C-39012C-3.25, 4.6.22
Interface Durability: 500 cycles
Interface Durability Method
IEC 61169-16:9.5

Mechanical Shock Test Method
MIL-STD-202F, Method 213B, Test Condition C

Environmental Specifications

Operating Temperature
-40 °C to +45 °C (-40 °F to +113 °F)

Storage Temperature
-40 °C to +85 °C (-40 °F to +185 °F)

Attenuation, Ambient Temperature
20 °C | 68 °F

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

Corrosion Test Method
MIL-STD-1344A, Method 1001.1, Test Condition A

Immersion Depth
1 m

Immersion Test Mating
Mated

Immersion Test Method
IEC 60529:2001, IP68

Moisture Resistance Test Method
MIL-STD-202F, Method 106F

Thermal Shock Test Method
MIL-STD-202F, Method 107G

Vibration Test Method
MIL-STD-202F, Method 204D, Test Condition B

Water Jetting Test Mating
Mated

Water Jetting Test Method
IEC 60529:2001, IP66

Packaging and Weights

Weight, net
0.209 kg | 0.46 lb

Regulatory Compliance/Certifications

Agency Classification
CHINA-ROHS Below maximum concentration value
REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS Compliant

* Footnotes

Immersion Depth Immersion at specified depth for 24 hours
Insertion Loss, typical 0.05√¯freq (GHz) (not applicable for elliptical waveguide)