DC Block, 555–2700 MHz, with interface types 4.3-10 Female and 4.3-10 Male

Product Classification

Product Type
dc Block

General Specifications

Inner Contact Plating
Silver

Interface
4.3-10 Female

Interface 2
4.3-10 Male

Outer Contact Plating
Trimetal

Pressurizable
No

Dimensions

Height
24 mm | 0.945 in

Width
24 mm | 0.945 in

Length
68.1 mm | 2.681 in

Outline Drawing
Electrical Specifications

3rd Order IMD: -118 dBm
3rd Order IMD Test Method: Two +43 dBm carriers
Insertion Loss, typical: 0.1 dB
Average Power: 200 W
Connector Impedance: 50 ohm
dc Test Voltage: 48 V
Operating Frequency Band: 555 – 2700 MHz
Peak Power, maximum: 2 kW

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>555–2700 MHz</td>
<td>1.13</td>
<td>24.29</td>
</tr>
</tbody>
</table>

Mechanical Specifications

Coupling Nut Proof Torque: 5 N·m | 44.254 in lb
Coupling Nut Retention Force Method: IEC 61169-154
Interface Durability: 100 cycles
Interface Durability Method: IEC 61169-154
Environmental Specifications

Operating Temperature: -40 °C to +65 °C (-40 °F to +149 °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
Vibration Test Method: MIL-STD-202F, Method 204D, Test Condition B
Water Jetting Test Mating: Mated

Packaging and Weights

Weight, net: 0.1 kg | 0.22 lb

* Footnotes

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