Arrestor Plus® Gas Tube Surge Arrestor (350 V), 45–2170 MHz, with interface types N Female Bulkhead and N Female

Product Classification

Product Type: Surge arrestor
Ordering Note: CommScope® standard product in Asia Pacific

General Specifications

Device Type: dc Pass
Body Style: Bulkhead
Inner Contact Plating: Gold
Interface: N Female Bulkhead
Interface 2: N Female
Outer Contact Plating: Silver
Pressurizable: No

Dimensions

Height: 30.99 mm | 1.22 in
Width: 30.99 mm | 1.22 in
Length: 68.07 mm | 2.68 in

Outline Drawing
Electrical Specifications

Insertion Loss, typical: 0.1 dB
Average Power: 400 W
Connector Impedance: 50 ohm
Gas Tube Voltage: 350 V
Lightning Surge Current: 20 kA
Lightning Surge Current Waveform: 8/20 waveform
Operating Frequency Band: 1000 – 2000 MHz | 2000 – 2170 MHz | 45 – 1000 MHz

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>45–1000 MHz</td>
<td>1.106</td>
<td>25.96</td>
</tr>
<tr>
<td>1000–2000 MHz</td>
<td>1.173</td>
<td>21.98</td>
</tr>
<tr>
<td>2000–2170 MHz</td>
<td>1.33</td>
<td>17</td>
</tr>
</tbody>
</table>

Mechanical Specifications

Attachment Durability: 25 cycles
Interface Durability: 500 cycles
Interface Durability Method: IEC 61169-16:9.5
Environmental Specifications

- **Operating Temperature**: -40 °C to +100 °C (-40 °F to +212 °F)
- **Storage Temperature**: -40 °C to +100 °C (-40 °F to +212 °F)
- **Attenuation, Ambient Temperature**: 20 °C | 68 °F
- **Average Power, Ambient Temperature**: 40 °C | 104 °F
- **Corrosion Test Method**: MIL-STD-202, Method 101, Test Condition B
- **Immersion Depth**: 1 m
- **Immersion Test Mating**: Mated
- **Immersion Test Method**: IEC 60529:2001, IP68
- **Moisture Resistance Test Method**: MIL-STD-202, Method 106
- **Vibration Test Method**: GR 2846-CORE
- **Water Jetting Test Mating**: Mated

Packaging and Weights

- **Weight, net**: 0.141 kg | 0.31 lb

Regulatory Compliance/Certifications

- **Agency**
  - 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

* Footnotes

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