Arrestor Plus® Gas Tube Surge Arrestor (350 V), 45–2200 MHz, with interface types DIN Female Bulkhead and DIN Male

Product Classification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Surge arrestor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordering Note</td>
<td>CommScope® non-standard product</td>
</tr>
</tbody>
</table>

General Specifications

<table>
<thead>
<tr>
<th>Device Type</th>
<th>dc Pass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body Style</td>
<td>Bulkhead</td>
</tr>
<tr>
<td>Inner Contact Plating</td>
<td>Silver</td>
</tr>
<tr>
<td>Interface</td>
<td>7-16 DIN Female Bulkhead</td>
</tr>
<tr>
<td>Interface 2</td>
<td>7-16 DIN Male</td>
</tr>
<tr>
<td>Outer Contact Plating</td>
<td>Trimetal</td>
</tr>
<tr>
<td>Pressurizable</td>
<td>No</td>
</tr>
</tbody>
</table>

Dimensions

<table>
<thead>
<tr>
<th>Height</th>
<th>39.88 mm</th>
<th>1.57 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>39.88 mm</td>
<td>1.57 in</td>
</tr>
<tr>
<td>Length</td>
<td>74.93 mm</td>
<td>2.95 in</td>
</tr>
</tbody>
</table>

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 – 2200 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>1.101</td>
<td>26.36</td>
</tr>
<tr>
<td>1000–2000 MHz</td>
<td>1.135</td>
<td>23.98</td>
</tr>
<tr>
<td>2000–2200 MHz</td>
<td>1.201</td>
<td>20.79</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

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**: 0.299 kg | 0.66 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
  - UK-ROHS: Compliant

* Footnotes

**Insertion Loss, typical**: 0.05√"freq (GHz) (not applicable for elliptical waveguide)
Immersion Depth

Immersion at specified depth for 24 hours