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

Product Classification

**Product Type**
Surge arrestor

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

General Specifications

**Device Type**
dc Pass

**Body Style**
Bulkhead

**Inner Contact Plating**
Silver

**Interface**
7-16 DIN Female Bulkhead

**Interface 2**
7-16 DIN Female

**Outer Contact Plating**
Silver

**Pressurizable**
No

**Dimensions**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>39.88 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>39.88 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>81.03 mm</td>
</tr>
</tbody>
</table>

Outline Drawing
Electrical Specifications

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>1.201</td>
<td>20.79</td>
</tr>
<tr>
<td>1000–2000 MHz</td>
<td>1.201</td>
<td>20.79</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

### Thermal Shock Test Method
MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C

### Vibration Test Method
GR 2846-CORE

### Water Jetting Test Mating
Mated

### Water Jetting Test Method
IEC 60529:2001, IP66

## Packaging and Weights

| Weight, net | 0.299 kg | 0.66 lb |

## Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>

* Footnotes

### Immersion Depth
Immersion at specified depth for 24 hours