Arrestor Plus® Dual Band Quarterwave Surge Arrester (T-shaped) with interface types DIN Female and DIN Female

Product Classification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Surge arrester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Brand</td>
<td>Arrestor Plus®</td>
</tr>
<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 Block</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inner Contact Plating</td>
<td>Silver</td>
</tr>
<tr>
<td>Interface</td>
<td>7-16 DIN Female</td>
</tr>
<tr>
<td>Interface 2</td>
<td>7-16 DIN Female</td>
</tr>
<tr>
<td>Outer Contact Plating</td>
<td>Trimetal</td>
</tr>
<tr>
<td>Pressurizable</td>
<td>No</td>
</tr>
</tbody>
</table>

Dimensions

| Height     | 74.168 mm  | 2.92 in   |
| Width      | 29.972 mm  | 1.18 in   |
| Length     | 69.596 mm  | 2.74 in   |

Outline Drawing
Electrical Specifications

3rd Order IMD: -117 dBm
3rd Order IMD Test Method: Two +43 dBm carriers
Insertion Loss, typical: 0.07 dB
Average Power at Frequency: 3,000.0 W @ 900 MHz
Connector Impedance: 50 ohm
Lightning Surge Capability: 100 times @ 20 kA
Lightning Surge Capability Waveform: 8/20 waveform
Lightning Surge Current: 30 kA
Lightning Surge Current Waveform: 8/20 waveform
Peak Power, maximum: 40 kW
Throughput Energy at Current: 2.0 mJ @ 30 kA | 25.0 μJ @ 2 kA
Throughput Energy Waveform: 8/20 waveform

VSWR/Return Loss

<table>
<thead>
<tr>
<th>Frequency Band</th>
<th>VSWR</th>
<th>Return Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>824–960 MHz</td>
<td>1.14</td>
<td>24</td>
</tr>
</tbody>
</table>
1710–2000 MHz
1.11 26.4
2000–2170 MHz
1.14 24

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 +150 °C (-40 °F to +302 °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 0.431 kg | 0.95 lb

Regulatory Compliance/Certifications

Agency Classification
CHINA-ROHS Above 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/Exempted
* Footnotes

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

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