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

Product Classification

Product Type: Surge arrestor
Ordering Note: CommScope® non-standard product

General Specifications

Device Type: dc Pass
Body Style: Bulkhead
Inner Contact Plating: Silver
Interface: 7-16 DIN Female Bulkhead
Interface 2: 7-16 DIN Male
Outer Contact Plating: Trimetal
Pressurizable: No

Dimensions

Height: 39.88 mm | 1.57 in
Width: 39.88 mm | 1.57 in
Length: 74.93 mm | 2.95 in
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>1.11</td>
<td>26.4</td>
</tr>
<tr>
<td>1000–2000 MHz</td>
<td>1.14</td>
<td>24</td>
</tr>
<tr>
<td>2000–2200 MHz</td>
<td>1.21</td>
<td>20.8</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
Immersion Depth: 1 m
Immersion Test Mating: Mated
Immersion Test Method: IEC 60529:2001, IP68
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 | Classification
---|---
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

Immersion Depth: Immersion at specified depth for 24 hours
Insertion Loss, typical  \(0.05\sqrt{\text{freq (GHz)}}\) (not applicable for elliptical waveguide)