

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 Typedc PassBody StyleBulkheadInner Contact PlatingSilver

**Interface** 7-16 DIN Female Bulkhead

Interface 2 7-16 DIN Male

Outer Contact Plating Trimetal

**Pressurizable** No

#### **Dimensions**

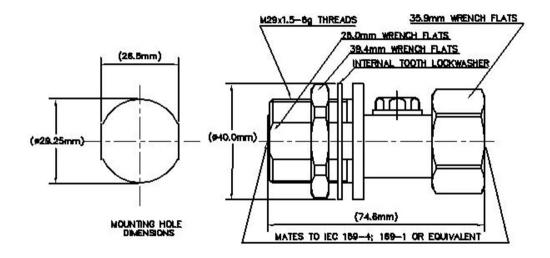
 Height
 39.88 mm | 1.57 in

 Width
 39.88 mm | 1.57 in

 Length
 74.93 mm | 2.95 in

### 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

Frequency Band	VSWR	Return Loss (dB)
45-1000 MHz	1.101	26.36
1000-2000 MHz	1.135	23.98
2000-2200 MHz	1.201	20.79

#### 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

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Interface Durability 500 cycles

**Interface Durability Method** IEC 61169-16:9.5

Mechanical Shock Test Method MIL-STD-202F, Method 213B, Test Condition C

#### **Environmental Specifications**

Operating Temperature -40 °C to +100 °C (-40 °F to +212 °F)

Storage Temperature  $-40 \,^{\circ}\text{C}$  to  $+100 \,^{\circ}\text{C}$  (-40  $^{\circ}\text{F}$  to  $+212 \,^{\circ}\text{F}$ )

Attenuation, Ambient Temperature  $20 \, ^{\circ}\text{C} \mid 68 \, ^{\circ}\text{F}$ Average Power, Ambient Temperature  $40 \, ^{\circ}\text{C} \mid 104 \, ^{\circ}\text{F}$ 

Corrosion Test Method MIL-STD-202, Method 101, Test Condition B

Immersion Depth1 mImmersion Test MatingMated

**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

#### 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 UK-ROHS Compliant



#### \* Footnotes

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

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**Immersion Depth** 

Immersion at specified depth for 24 hours

