

Arrestor Plus® Gas Tube Surge Arrestor (90 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**

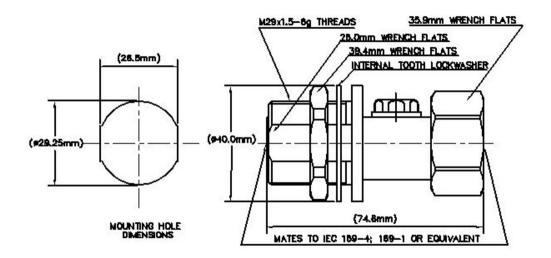
 Height
 39.88 mm | 1.57 in

 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 30 W

Connector Impedance 50 ohm

Gas Tube Voltage 90 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	1.152	23.02
2000-2200 MHz	1.173	21.98

#### Mechanical Specifications

Attachment Durability 25 cycles

Coupling Nut Proof Torque24.86 N-m220.03 in lbCoupling Nut Retention Force1,000.85 N225 lbfCoupling Nut Retention Force MethodMIL-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  $-40 \,^{\circ}\text{C to } +100 \,^{\circ}\text{C } (-40 \,^{\circ}\text{F to } +212 \,^{\circ}\text{F})$ 

**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 °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

#### Agency Classification

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/Exempted



#### \* Footnotes

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



**Immersion Depth** 

Immersion at specified depth for 24 hours

