

Arrestor Plus® Gas Tube Surge Arrestor (90 V), 45–2170 MHz, with interface types N Female Bulkhead and N Male

### **Product Classification**

**Product Type** Surge arrestor

Ordering Note CommScope® non-standard product

### General Specifications

Device Typedc PassBody StyleBulkheadInner Contact PlatingGold

**Interface** N Female Bulkhead

Interface 2N MaleOuter Contact PlatingSilverPressurizableNo

#### **Dimensions**

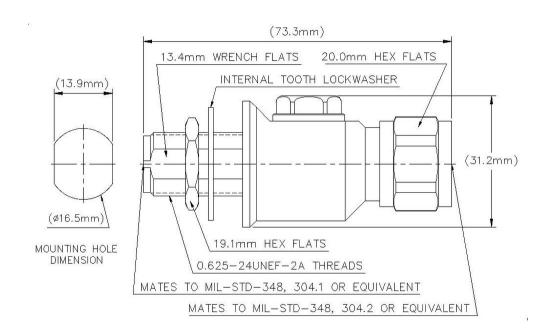
 Height
 30.99 mm | 1.22 in

 Width
 30.99 mm | 1.22 in

 Length
 72.9 mm | 2.87 in

## Outline Drawing





### **Electrical Specifications**

**Insertion Loss, typical** 0.3 dB

Attenuation, Ambient Temperature 20 °C | 68 °F

Average Power 30 W

Connector Impedance 50 ohm

Gas Tube Voltage 90 V

**Lightning Surge Current Waveform** 8/20 waveform

**Operating Frequency Band** 1000 – 2000 MHz | 2000 – 2170 MHz | 45 – 1000 MHz

20 kA

VSWR/Return Loss

**Lightning Surge Current** 

Frequency Band VSWR Return Loss (dB)

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 45–1000 MHz
 1.11
 26.4

 1000–2000 MHz
 1.14
 24

 2000–2170 MHz
 1.18
 22

### Mechanical Specifications

**Attachment Durability** 25 cycles

Coupling Nut Proof Torque4.52 N-m40.005 in lbCoupling Nut Retention Force100 lbf444.822 N

**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

**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  $+212 \,^{\circ}\text{F}$ )

**Average Power, Ambient Temperature** 40 °C | 104 °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** 0.35 lb | 0.159 kg

## Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

COMMSC PE°

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√freq (GHz) (not applicable for elliptical waveguide)

