APG-BNFNF-090



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

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 FemaleOuter Contact PlatingSilverPressurizableNo

Dimensions

 Height
 30.99 mm | 1.22 in

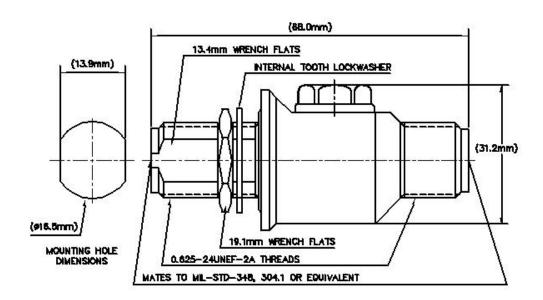
 Width
 30.99 mm | 1.22 in

 Length
 68.07 mm | 2.68 in

Outline Drawing



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Electrical Specifications

Insertion Loss, typical0.2 dBAverage Power30 WConnector Impedance50 ohmGas Tube Voltage90 VLightning Surge Current20 kA

Lightning Surge Current Waveform 8/20 waveform

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

(dB)

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (
45-1000 MHz	1.101	26.36
1000-2000 MHz	1.135	23.98
2000-2170 MHz	1.173	21.98

Mechanical Specifications

Attachment Durability 25 cycles
Interface Durability 500 cycles

Interface Durability Method IEC 61169-16:9.5

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

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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 $40 \,^{\circ}\text{C} \mid 104 \,^{\circ}\text{F}$

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 0.141 kg | 0.31 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)

Immersion Depth Immersion at specified depth for 24 hours

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