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	Gas tube
Product Brand	Arrestor Plus®
Ordering Note	ANDREW® non-standard product

General Specifications

Device Type	dc Pass
Body Style	Bulkhead
Inner Contact Plating	Gold
Interface	N Female Bulkhead
Interface 2	N Female
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Height	26 mm | 1.024 in
Width	26 mm | 1.024 in
Length	60 mm | 2.362 in

Outline Drawing

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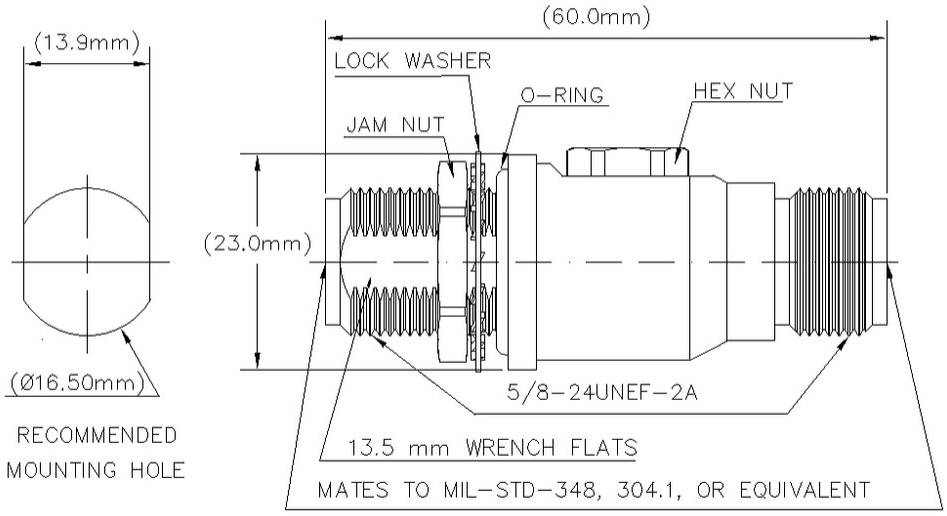

Electrical Specifications

Insertion Loss, typical	0.2 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 – 2170 MHz | 45 – 1000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–1000 MHz	1.094	27
1000–2000 MHz	1.094	27
2000–2170 MHz	1.173	22

Mechanical Specifications

Attachment Durability	25 cycles

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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 °C to +100 °C (-40 °F to +212 °F)
Attenuation, Ambient Temperature	20 °C | 68 °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	0.093 kg | 0.204 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.andrew.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant