APG-BDFDF-350

Arrestor Plus® Gas Tube Surge Arrestor (350 V), 45–2170 MHz, with interface types DIN Female Bulkhead and DIN Female

Product Classification

Product Type	Surge arrestor
Ordering Note	CommScope® standard product in Mexico, Central America, and South America | CommScope® standard product in the United States and Canada

General Specifications

Device Type	dc Pass
Body Style	Bulkhead
Inner Contact Plating	Silver
Interface	7-16 DIN Female Bulkhead
Interface 2	7-16 DIN Female
Outer Contact Plating	Silver
Pressurizable	No

Dimensions

Height	39.88 mm | 1.57 in
Width	39.88 mm | 1.57 in
Length	81.03 mm | 3.19 in

Outline Drawing

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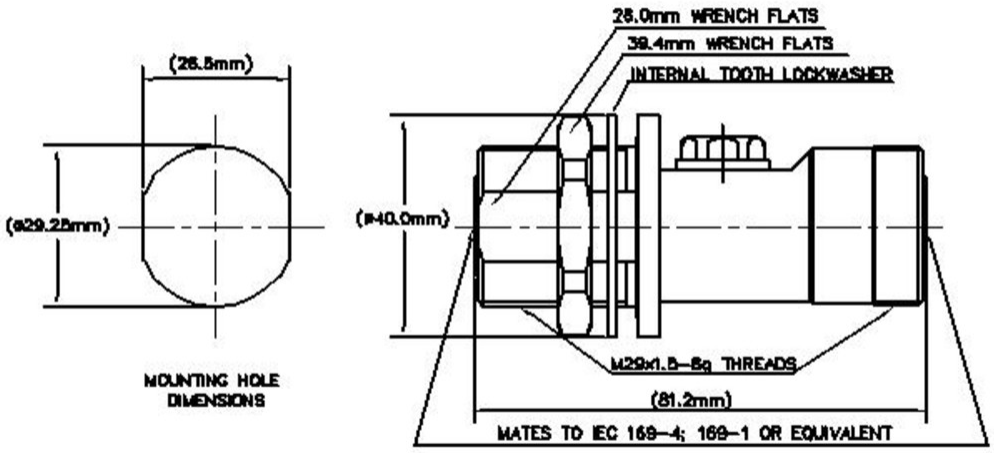

Electrical Specifications

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 – 2170 MHz | 45 – 1000 MHz

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
45–1000 MHz	1.201	20.79
1000–2000 MHz	1.201	20.79
2000–2170 MHz	1.33	17

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 °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	0.299 kg | 0.66 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Above 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/Exempted

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours