

APTDC-BDFDM-DB



Arrestor Plus® LTE Band Quarterwave dc Passing Surge Arrestor (T-shaped), 698–2700 MHz, with interface types DIN Female Bulkhead and DIN Male

Product Classification

Brand	Arrestor Plus®
Product Type	Surge arrestor

General Specifications

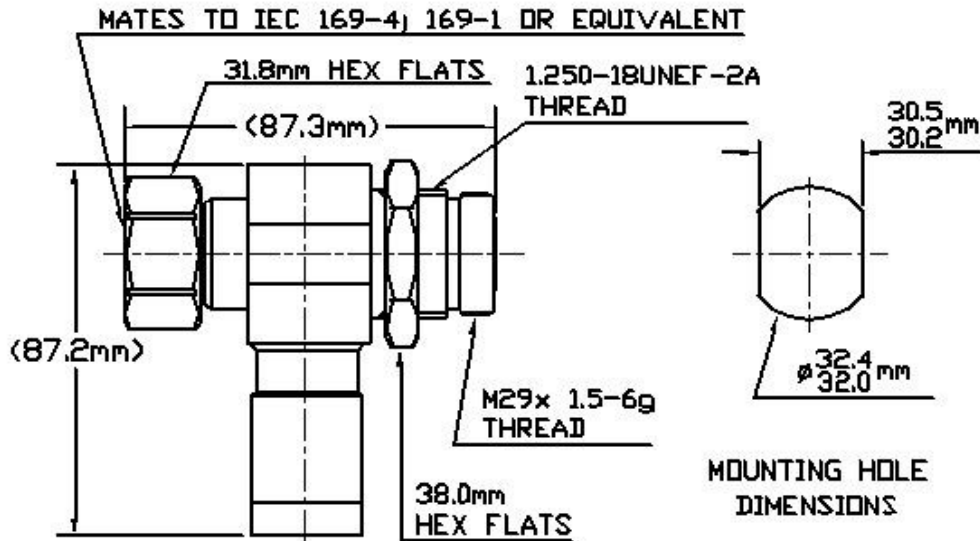
Interface	7-16 DIN Female Bulkhead
Interface 2	7-16 DIN Male
Device Type	dc Pass
Ordering Note	CommScope® standard product in Asia Pacific
Body Style	Bulkhead

Electrical Specifications

Operating Frequency Band	698 – 2700 MHz
3rd Order IMD	-117.0 dBm -160.0 -dBc
3rd Order IMD Test Method	Two +43 dBm carriers
Average Power	3000 W
Connector Impedance	50 ohm
dc Current, continuous	3 A
Gas Tube Voltage	350 V
Lightning Surge Capability	10 times @ 30 kA
Lightning Surge Capability Test Method	IEEE C62.42-1991
Lightning Surge Capability Waveform	8/20 waveform
Lightning Surge Current	30 kA
Lightning Surge Current Waveform	8/20 waveform
Peak Power, maximum	40.00 kW
Insertion Loss, typical	0.07 dB

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Outline Drawing



Mechanical Specifications

Attachment Durability	25 cycles
Coupling Nut Proof Torque	24.86 N-m 220.00 in lb
Coupling Nut Retention Force	1000.85 N 225.00 lbf
Coupling Nut Retention Force Method	MIL-C-39012C-3.25, 4.6.22
Inner Contact Plating	Silver
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Height	87.88 mm 3.46 in
Length	87.88 mm 3.46 in
Weight	0.60 kg 1.32 lb
Width	41.91 mm 1.65 in

Environmental Specifications

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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
Mechanical Shock Test Method	MIL-STD-202F, Method 213B, Test Condition C
Moisture Resistance Test Method	MIL-STD-202, Method 106
Operating Temperature	-40 °C to +100 °C (-40 °F to +212 °F)
Storage Temperature	-70 °C to +150 °C (-94 °F to +302 °F)
Thermal Shock Test Method	MIL-STD-202, Method 107, Test Condition A-1, Low Temperature -55 °C
Water Jetting Test Mating	Mated

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F

Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
2.0–2.3 MHz	1.13	-24.00
698–806 MHz	1.21	-19.00
806–960 MHz	1.13	-24.00
1710–2200 MHz	1.13	-24.00
2200–2700 MHz	1.21	-20.50

Regulatory Compliance/Certifications

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



* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
Insertion Loss, typical	0.05v*freq (GHz) (not applicable for elliptical waveguide)