

Arrestor Plus® Dual Band Quarterwave dc Passing Surge Arrestor (T-shaped), 698–960 MHz and 1700–2170 MHz, with interface types DIN Female Bulkhead and DIN Female

Product Classification

Product Type	Surge arrestor
Product Brand	Arrestor Plus®
Ordering Note	CommScope® non-standard product

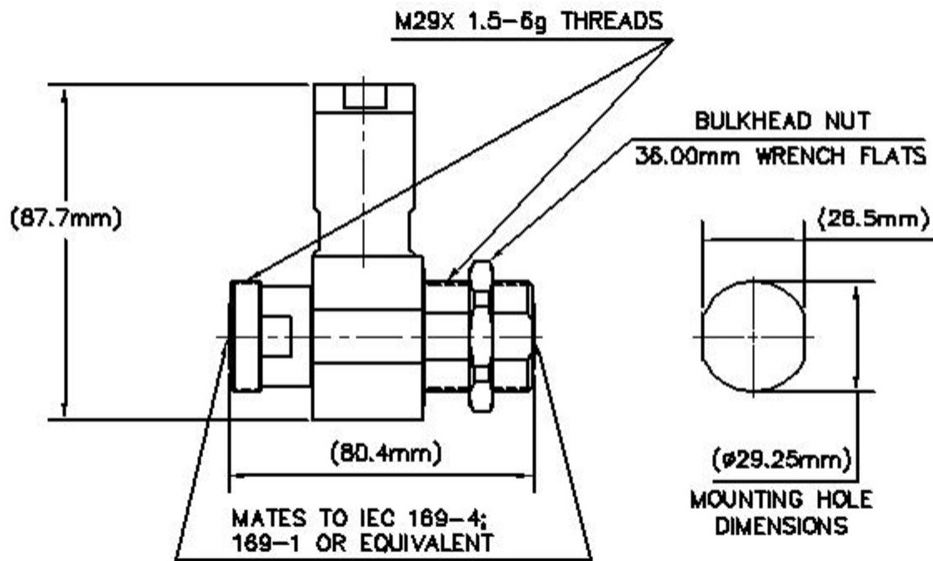
General Specifications

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	Trimetal
Pressurizable	No

Dimensions

Height	81.026 mm 3.19 in
Width	41.91 mm 1.65 in
Length	87.884 mm 3.46 in

Outline Drawing



Electrical Specifications

3rd Order IMD	-117 dBm
3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss, typical	0.05 dB
Average Power	3000 W
Connector Impedance	50 ohm
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
Operating Frequency Band	1710 – 2170 MHz 698 – 960 MHz
Peak Power, maximum	40 kW

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
806–960 MHz	1.11	26
1710–2000 MHz	1.11	26

2000–2170 MHz 1.11 26

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

Environmental Specifications

Operating Temperature	-40 °C to +100 °C (-40 °F to +212 °F)
Storage Temperature	-70 °C to +150 °C (-94 °F to +302 °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
Water Jetting Test Mating	Mated

Packaging and Weights

Weight, net 0.64 kg | 1.41 lb

* Footnotes

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