

APGMB-BDFDM-350

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

Product Classification

Product Type Surge arrester

General Specifications

Interface 7-16 DIN Female Bulkhead
Interface 2 7-16 DIN Male
Ordering Note CommScope® non-standard product
Body Style Bulkhead

Electrical Specifications

Operating Frequency Band 1000 – 2000 MHz | 2000 – 2170 MHz | 45 – 1000 MHz
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
Insertion Loss, typical 0.10 dB

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 39.88 mm | 1.57 in
Length 74.93 mm | 2.95 in
Weight 0.30 kg | 0.66 lb
Width 39.88 mm | 1.57 in

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Environmental Specifications

| | |
|--|---|
| 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 | -40 °C to +100 °C (-40 °F to +212 °F) |
| 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 |

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) |
|-----------------------|-------------|-------------------------|
| 45–1000 MHz | 1.1 | 26.40 |
| 1000–2000 MHz | 1.13 | 24.00 |
| 2000–2200 MHz | 1.2 | 20.80 |

Regulatory Compliance/Certifications

| Agency | Classification |
|----------------------------|--|
| RoHS 2011/65/EU | Compliant by Exemption |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| China RoHS SJ/T 11364-2014 | Above Maximum Concentration Value (MCV) |



* Footnotes

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