

APM-BSFNF-12

Arrestor Plus® Quarterwave Surge Arrestor (Miniature), 2300–2485 MHz, with interface types SMA Female Bulkhead and N Female

OBSOLETE

This product was discontinued on: October 8, 2011

Product Classification

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

General Specifications

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

Dimensions

Height	51 mm 2.008 in
Width	30 mm 1.181 in
Length	65 mm 2.559 in

Electrical Specifications

Insertion Loss, typical	0.1 dB
Average Power	600 W
Connector Impedance	50 ohm
Lightning Surge Capability	50 times @ 30 kA
Lightning Surge Capability Test Method	IEEE C62.42-1991
Lightning Surge Capability Waveform	8/20 waveform
Lightning Surge Current	30 kA

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Lightning Surge Current Waveform	8/20 waveform
Operating Frequency Band	2300 – 2485 MHz
Throughput Energy at Current	0.6 mJ @ 20 kA
Throughput Energy Waveform	8/20 waveform

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
2300–2485 MHz	1.201	20.79

Mechanical Specifications

Attachment Durability	25 cycles
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	MIL-STD-202, Method 213B, Test Condition C

Environmental Specifications

Operating Temperature	-40 °C to +150 °C (-40 °F to +302 °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
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60068-2-17
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	MIL-STD-202, Method 204, Test Condition D
Water Jetting Test Mating	Mated

Packaging and Weights

Weight, net	0.191 kg 0.42 lb
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* Footnotes

Insertion Loss, typical	0.05√freq (GHz) (not applicable for elliptical waveguide)
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Immersion Depth

Immersion at specified depth for 24 hours