

Quarter Wave Surge Arrestor 4.3-10 male / female bulkhead, 690 to 2700 MHz

Surge arrestors are designed to protect wireless base stations, switching centers and transmission lines from the damaging effects of extreme high voltage surges caused by lightning strikes. The RFS lightning protection devices are designed and tested to the most demanding specifications. They are rated to protect against both direct and indirect multiple strikes in the harshest environments imaginable. Their rugged construction utilizes solid metal housing, and superior plating, which results in outstanding system protection and operating continuity.

FEATURES / BENEFITS

- Superior IM performance for reliable long-term operation
- Excellent electrical performance, low VSWR, low insertion loss
- Waterproof to IP68
- Totally maintenance free
- Compliant to RoHS (EU 2002/95/EC) and CRoHS (China SJ/T11363-2006) i.e. usable on a global basis.

External Document Links
Installation Instruction

Notes

incl. screw M8x12, spring washer 8 mm and washer 8 mm for installation of grounding cables or bus bars

Coaxial Cable Components

Surge Arrestor

IP68

Bulkhead; Thread for grounding M8

M8

Technical features

STRUCTURE Product Line

Product Type

Sealing class

Drill Hole Size

Mounting / Grounding

Surge Arrestor Type	Quarter Wave
Design	90° Stub
Coaxial Cable Type	Foam Dielectric, Ultraflexible Foam Dielectric, Radiating Cable
Connector Interface	4.3-10
MECHANICAL SPECIFICATIONS	
Configuration	4.3-10 male - 4.3-10 female (bulkhead)
Connector A	4.3-10 Male
Center Contact Connector A	Brass, silver plated
Outer Contact Connector A	Brass, Tri metal
Connector B	4.3-10 Female bulkhead (protected)
Center Contact Connector B	Brass, silver plated
Outer Contact Connector B	Brass, Tri metal
Body	Brass, Tri metal
Dielectric	PTFE
Gasket	Silicone

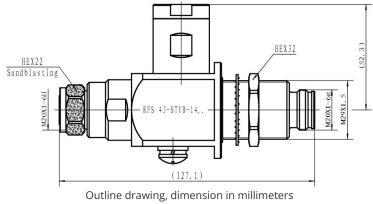
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mm (in)



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Frequency Range - MHz		690 - 2700	
VSWR, Return Loss	VSWR (dB)	690-2700 MHz: 1.19 (21) 800-1000 MHz: 1.13 (24)	
Insertion Loss, dB (Max)	dB	1700-2200 MHz: 1.13 (24) 0.10	
3rd Order IM Product @ 2x20 Watts	dBc	<-160	
Surge current handling capability		mult. 25kA, Pulse 8/20 μs	
Residual pulse		5mJ typically (test pulse 20 kA Pulse 8/20 µs)	
Residual Voltage		100V (test pulse 20 kA Pulse 8/20 μs)	
Average Power		1.8kW @ 1 GHz (at 20°C, sea level, VSWR 1.0)	
Peak Power	kW	40kW (at 20°C, sea level, VSWR 1.0)	
TEMPERATURE SPECIFICATIONS			
Operation Temperature	°C (°F)	-45 to 85 (-49 to 185)	
ACCESSORIES			
Spare Part / Useful Accessories		GW-16/20 : Grounding Wire Kit	
PACKAGING INFORMATION			
Package Quantity		1	



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