

**N-UC230-01**

Gas Tube Surge Arrestor Type N male female, bulkhead



Surge arrestors are designed to protect wireless base stations, switching centers and transmission line from the damaging effects of extreme high voltage surges caused by lightning strikes. Lightning strikes, even on grounded systems, can implant crushing voltages on RF transmission lines, creating voltage spikes on the center conductor of coaxial cable and putting the network out of commission. The new 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 housings, beryllium-copper contacts and superior plating, which results in outstanding system protection and operating continuity.

Feature / Benefits

- Broadband operation DC to 2.7 GHz
- DC continuity on center conductor for reliable operation
- Replaceable 230 volts gas capsules for easy maintenance

Technical features**STRUCTURE**

Product Line	Coaxial Cable Components
Product Type	Surge Arrestor
Surge Arrestor Type	Gas Capsule
Coaxial Cable Type	Foam Dielectric, Ultraflexible Foam Dielectric, Radiating Cable

MECHANICAL SPECIFICATIONS

Configuration	Bulkhead
Connector A	N Male
Center Contact Connector A	copper alloy / silver plated
Outer Contact Connector A	copper alloy / silver plated
Connector B	N Female
Center Contact Connector B	copper alloy / silver plated
Outer Contact Connector B	copper alloy / silver plated
Body	copper alloy / nickel plated
Dielectric	PTFE
Gasket	Silicone rubber
Sealing class	IP67 per EN 60529 (interface connected with appropriate gasket)
Mounting / Grounding	Bulkhead; Thread for grounding M5



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ELECTRICAL SPECIFICATIONS

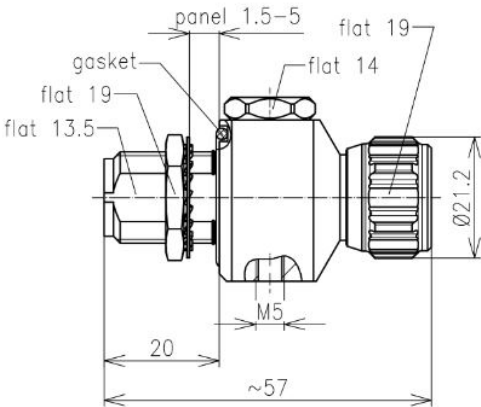
Frequency Range - MHz	DC - 2700
VSWR	0-400 MHz: 1.05 400-2000 MHz: 1.10 2000-2400 MHz: 1.15 2400-2700 MHz: 1.20
Insertion Loss	0.05 dB @ 0 - 400 MHz 0.10 dB @ 400 - 1000 MHz 0.20 dB @ 1000 - 2000 MHz 0.30 dB @ 2000 - 2400 MHz 0.40 dB @ 2400 - 2700 MHz
Surge current handling capability	25 kA single (test pulse 8/20 μs)
Residual pulse	350 μJ (test pulse 4 kV 1.2/50 μs and 2 kA 8/20 μs)
Average Power	150 W

TEMPERATURE SPECIFICATIONS

Operation Temperature	-45 to 85 (-49 to 185)
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PACKAGING INFORMATION

Package Quantity	1
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External Document Links

Notes