



**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 Technologies 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.

**FEATURES / BENEFITS**

- Broadband operation DC to 2.7 GHz
- DC continuity on center conductor for reliable operation
- Replaceable 230 volts gas capsules for easy maintenance
- compliancy to IEC 61643-21



N-UC230-01

[External Document Links](#)

[Notes](#)

**Technical features**

**STRUCTURE**

<b>Product Line</b>		Coaxial Cable Components
<b>Product Type</b>		Surge Arrestor
<b>Surge Arrestor Type</b>		Gas Capsule
<b>Coaxial Cable Type</b>		Foam Dielectric, Ultraflexible Foam Dielectric, Radiating Cable

**MECHANICAL SPECIFICATIONS**

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

**ELECTRICAL SPECIFICATIONS**

<b>Frequency Range - MHz</b>		DC - 2700
<b>VSWR, Return Loss</b>	VSWR (dB)	0-1000 MHz: 1.06 1000-2500 MHz: 1.20 2500-2700 MHz: 1.40
<b>Insertion Loss, dB (Max)</b>	dB	0.1
<b>Surge current handling capability</b>		40 kA single / 20 kA multiple, Pulse 8/20 μs



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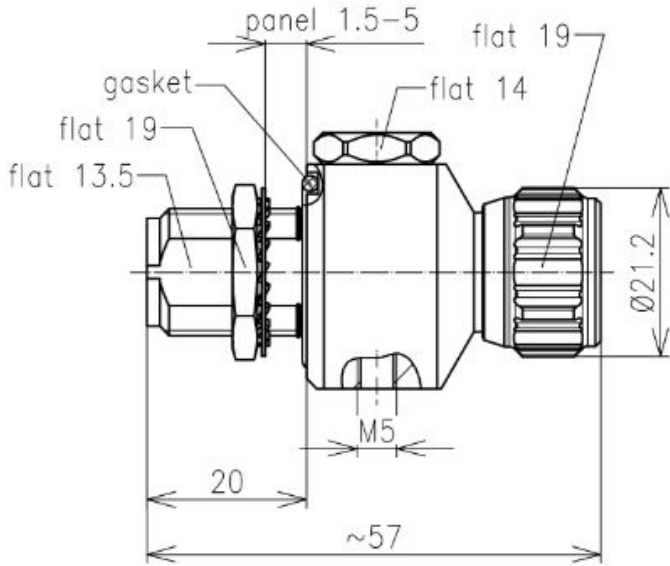
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## TEMPERATURE SPECIFICATIONS

Operation Temperature	°C (°F)	-45 to 85 (-49 to 185)
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## PACKAGING INFORMATION

Package Quantity		1
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All dimensions are in mm; tolerances according to ISO 2768 m-H