PRODUCT DATASHEET

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.



N-UC230-01

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

External Document Links

Notes

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

ELECTRICAL SPECIFICATIONS

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

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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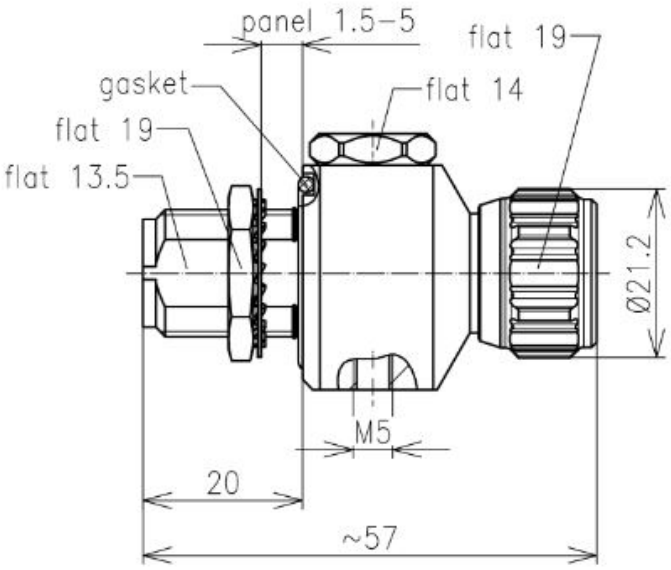
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TEMPERATURE SPECIFICATIONS

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

PACKAGING INFORMATION

Package Quantity		1



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

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