

## 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.



N-UC230-01

### FEATURES / BENEFITS

- Broadband operation DC to 2.5 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 Tube
Coaxial Cable Type	Foam Dielectric, Ultraflexible Foam Dielectric , Radiating Cable

#### MECHANICAL SPECIFICATIONS

Configuration	Bulkhead
Connector A	N Male
Center Contact Connector A	Brass, gold plated
Outer Contact Connector A	Brass, three metal plating (Copper-Zin-Zinc Alloy)
Connector B	N Female
Center Contact Connector B	Spring Bronze, gold plated
Outer Contact Connector B	Brass, three metal plating (Copper-Zin-Zinc Alloy)
Body	Brass, three metal plating (Copper-Zin-Zinc Alloy)
Dielectric	PTFE
Gasket	Silicone rubber
Sealing class	IP65
Mounting / Grounding	Bulkhead; Thread for grounding M8

#### ELECTRICAL SPECIFICATIONS

Frequency Range	MHz	DC - 2500
VSWR, Return Loss	VSWR (dB)	0-1000 MHz: 1.10 (26.4) 1000-2500 MHz: 1.22 (20)
Insertion Loss (Max)	dB	0.20
Surge current handling capability		40 kA single / 20 kA multiple, Pulse 8/20 $\mu$ s
Residual pulse		350 $\mu$ J typically (test pulse 4 kV 1.2/50 $\mu$ s / 2 kA Pulse 8/20 $\mu$ s)

#### TEMPERATURE SPECIFICATIONS

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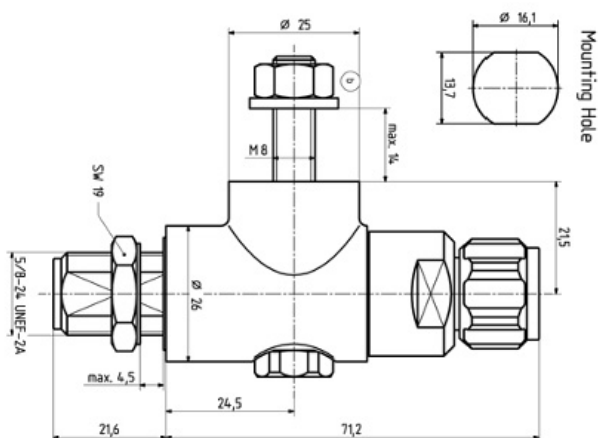
#### ACCESSORIES

Spare Part / Useful Accessories	UC230, Grounding Wire Kit: GW-16/20 : Spare capsule
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#### PACKAGING INFORMATION

Package Quantity	1
Weight	kg (lb) 0.3 (0.66)

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

### External Document Links

### Notes