

ANT-233-002

Coaxial Lightning Arrester 0-3 GHz UHF-Female/Female



Applications

Protects Outdoor Antennas for

- HF, VHF, UHF, GMRS, Two-Way Radio
- Amateur (Ham) Radio Installations
- Citizens Band (CB) Radio
- P25 Public Safety Applications



Product Features

- Reliable Wide-band Performance (DC ~ 3 GHz)
- 230V Discharge Voltage (2.5x Standard)
- Bi-Directional Protection
- Very Low RF Insertion Loss (Signal Attenuation)
- Gas Discharge Tube with Multi-Strike Capability
- High Quality Construction - Outdoor Mountable
- UHF Female – UHF Female (SO-239) Connectors
- Ground Wire Lug

Ordering Information

Part No.	Description
ANT-233-002	Proxicast Coaxial Lightning Arrester for 0 to 3 GHz (UHF-Female/UHF-Female)

General Description

This 230V gas discharge tube coaxial lightning surge protector features UHF Female SO-239 connectors and wide-band operation from DC to 3 GHz with low RF insertion loss. It effectively dissipates the excess energy caused by lightning strikes, preventing it from reaching your precious equipment. It can absorb up to 2.5 times the energy of standard 90V arresters.

The arrester has female SO239 sockets for in-line installation into your coax cable feed line, providing reliable protection with minimal signal loss.

This antenna surge protector will pass DC, so it is suitable for applications where DC is carried through the coax cable, such as remote amplifiers and LNAs. Both connector ports are equally protected - it can be installed in either orientation. A ground lug on the housing provides superior grounding.

Pro-Grade arresters are constructed of high-quality materials to withstand the harshest weather conditions.

A coaxial lightning suppressor should be installed between outdoor antennas and radio equipment and as close as possible to the equipment to be protected, often at the point where the coax cable enters the building. This protects equipment, structures and personnel from high-energy electrical pulses carried through the coax cable either from a direct or nearby lightning strike

Consult your local building, fire, safety, or insurance codes for proper lightning protection system design for your application.

All outdoor coax connections should be weather-proofed to minimize damage caused by moisture in the connectors or cabling. Use our Self-Bonding silicone tape (ANT-900-002) for fast and easy connection sealing.

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Electrical Specifications

Parameter	Rating
Frequency Range	0 to 3 GHz
Discharge Voltage	DC 230V – replaceable gas discharge tube
Max Discharge Current	10 kA (8/20 μ s)
Insertion Loss	< 0.2 dB
VSWR	< 1.2
Impedance	50 Ohm
Max Input Power	200 W
Insulation Resistance	$\geq 5000\text{M}\Omega$
Dielectric Withstanding Voltage	2000V (RMS)

Mechanical Specifications

Parameter	Rating
Connector Types	UHF Female SO-239 & UHF Female SO-239
Ground Lug	M4 Screw Lug - 8 AWG Max Wire Diameter
Materials (RoHS Compliant)	Body: Nickel Plated Brass
Dimensions	2.24 x 1 in (57 x 25 mm)
Weight	4 oz (113g)
Operating Temperature	-40°C to +85°C

Operation of this device outside the parameter ranges given above may cause permanent damage.

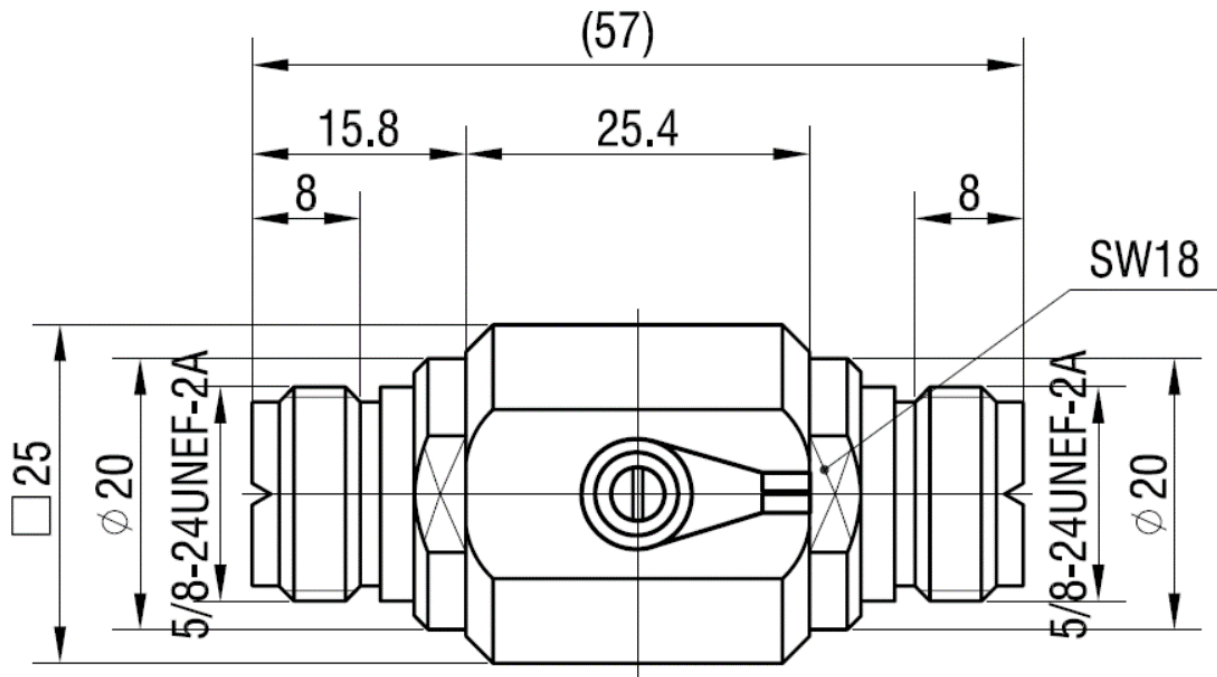
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Mechanical Dimensions

Dimensions in millimeters



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Contact Information

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