

CS-400R Lightning Surge Absorber

Thank you for purchasing our products.

Comet's Surge Absorber has high surge withstand performance, effectively allowing lightning surge currents to escape to ground to protect radio equipment and receivers.

Features

- Small size, but high current capacity.
- High durability for repeated use.
- Very high sensitivity to high currents.
- Low insertion loss and wide bandwidth characteristics.
- Using an arrester by Sankosha.
Arresters can be purchased as repair parts (Y08UZ-400A)



Installation

Place the arrester in the hole in the top surface and screw the lid into place.



Specifications

Connector	M-J/M-J
Frequency Range	DC-500MHz
Insertion Loss	0.1 dB or less
Impedance	50 Ω
VSWR	1.1 or less
Max.Power	500W PEP
DC discharge start voltage	Condition : 100 V/s Performance : 400 V ± 15%
Impulse discharge start voltage	Condition : 1 kV/ μs Performance : 950 V or less
Insulation resistance	Condition : DC 100 V Performance : 10000 M Ω or more
DC holdover voltage	Condition : DC 150 V, IEEE compliant Performance : 150 ms or less
Impulse current capacity	Condition : 8/20 μs, 10 kA Performance : once
Impulse life	Condition : 10/1000 μs, 500 A Performance : 200 times
AC current capacity	Condition : 10,000 Ω以上 Performance : once
Dimension	66 × 41 × 20mm
Weight	80g

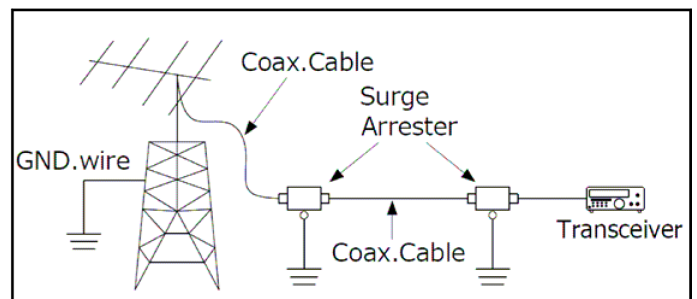
COMET ANTENNA

Instruction manual



How to use

- 1) The lightning arrester should be mounted near the midpoint of the coaxial cable or directly on the radio (receiver).
***Please use a correct connector**
- 2) Connect a polyvinyl insulated wire of 5.5 SQ or more to the GND terminal of the surge arrester and bury it to a depth of 1 m or more underground using a ground rod.
- 3) This product is not waterproof, and should be used with waterproofing treatment when used outdoors
- 4) The ideal lightning protection structure is to use two surge arresters and ground them at three locations as shown in the figure below.



Precautions for use

- ◆ When installing from a steel tower or similar structure, use the thickest possible copper or aluminum wire to ensure that the grounding resistance is 10 Ω or less.
- ◆ Although surge arresters are quite effective against surge voltage, please note that they may not be effective against excessive currents that exceed specifications, such as direct lightning strikes.
- ◆ Specifications or appearance can be change without notice

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