

CS-290 / CS-400

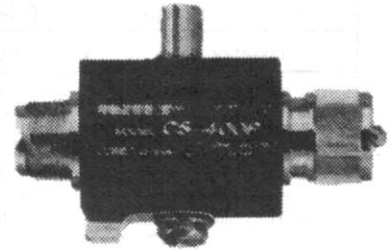


COAXIAL Surge Arrester

Thank you for your purchasing our product.

This product is made under the stringent quality control. Should there be any breakage in transit, please do not hesitate to contact the shop you purchased this product.

For your safety, read this manual carefully for proper handling and operation before using.



General

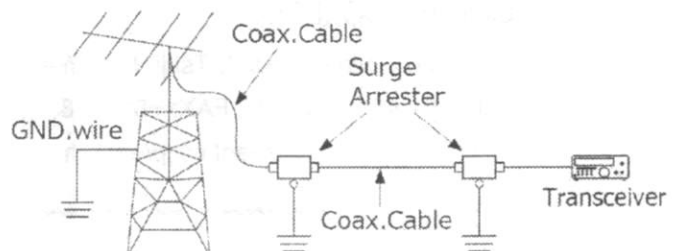
Comet surge arrester is to protect your transceivers and/or receivers from excessive high ampere currency occurred by thunder surge, provided by the sufficient grounding to the earth.

Features

- Special surge arrester element is involved, which allows automatic grounding to the earth, at excess large voltage currency.
- Small sized, but large capacity for high ampere.
- Long durability of thousands times repetition use.
- Extremely high sensitivity against high excess currency.
- Coaxial-core type arrester realized low insertion loss and wide frequency coverage.

How to use

- 1) Please use the arrester, setting in the middle of coax, or mounting direct to the transceiver(receiver).
- 2) For the sufficient grounding, please use Φ 2.5mm/3.5mm copper wire from grounding Terminal. The end of the copper wire is to be buried till the depth of 1meter of the ground. (Or, connection to water pipe.)
- 3) The arrester is not waterproof type. When using at outdoor, please provide sufficient water-proof works.
- 4) See The right Figure. Using 2-arresters, 3-points grounding would be one of the best thunder-proof methods.



eNka s.c.

<http://www.comet-ant.eu/>

Specifications

MODEL	CS-400R	CS-400P	CS-290R	CS-290P
Connector	M-J / M-J	M-J / M-P	N-J / N-J	N-J / N-P
Frequency Range	DC-500MHz	←	DC-1500MHz	←
Insertion Loss	0.1dB or less	←	←	←
Impedance	50 Ω	←	←	←
VSWR	1.1 or less	←	←	←
Max.Power	500W PEP	←	300W PEP	←
Min.Radiation Voltage	DC400V±15%	←	DC290V±15%	←
Min.Shock wave Volt. (1×40) μ s	1000V	←	←	←
Min.Shock wave Amp. (1×40) μ s	6000A	←	←	←
Min.Shock wave Repetition (1×40) μ s 500A. 500-times	DC400V±20%	←	DC290V±20%	←
Isolation Register DC 100V	More than 10,000 Ω	←	←	←
Dimension	66×41×20mm	74×41×20mm	76×41×20mm	86×41×20mm
Weight	80g	95g	100g	130g

Note

- ◆ For the sufficient grounding of the Tower, please try using thick copper or aluminum wire to keep low register of less than 10-ohms.
- ◆ The arrester is quite effective for the Surge voltage. However, it is not perfectly effective against excess amperage, like direct thunder.

Design, appearance or specification is subject to change without notice.

COMET CO.,LTD.

336-0026 Japan 4-18-2, Tsuji, Minami-ku, Saitama City, Saitama-Pref.

TEL: +81-48-839-3131 , FAX: +81-48-839-3136

URL <http://www.comet-ant.co.jp/english>

eNka s.c.

<http://www.comet-ant.eu/>

2nd Version , Printed in JAPAN

Copyright (C) 2014 COMET CO.,LTD. All Rights Reserved.