

## CISP-HR Cable Isolator and Surge Protector

### PROTECTION & PREVENTION

The CISP-HR is our highest performance CATV isolator with surge protection. The isolator's key function is to prevent CATV coax from carrying dangerous overload current.

The CISP-HR is an IEC Class Level 5 isolator, offering the surge protection performance necessary to ensure the highest telecom equipment survivability. The device protects cable modems, STB's and other equipment from damage due to fast transients and spikes from electrical storms and power surges.

The CISP-HR has an ultra fast (1 nano second) clamping protection circuit which uses state-of-the-art SIDACTor transient technology. The device can withstand repeated 6kV strikes and continue to provide protection to subscribers and CPE.

### Key Features

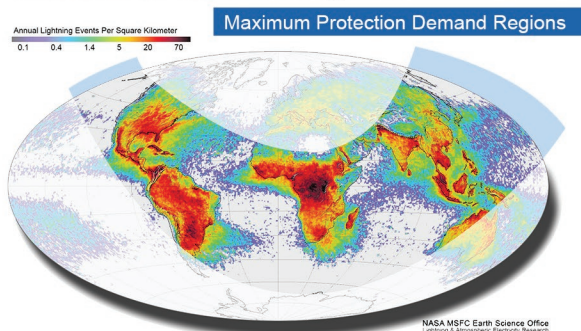
- HIPOT Tested in accordance with EN-60728-11 2005
- Electronic Clamping IC Technology (SIDACTor)
- Subscriber and CPE Protection
- Reduces the Energy Level of Spikes
- Does Not Degrade with Repetitive Spikes
- Sealed for IP67 Compliance Outdoors
- IEC Class Level 5 (61000-4-5 [2005])
- ANSI/IEEE C62.41 - Location Category B3

### Specifications

CISP-HR Specifications	
Description	Specifications
Frequency Range	5 - 1000 MHz
Insertion Loss ( 5 - 1000MHz )	< 1 dB
Return Loss ( 5 - 1000MHz )	> 20dB Typ
RF Shielding ( 5 - 1000MHz )	85dB Typ
Shield Surge Survival	6 kV / 100 KHz ringwave at subscriber port 6 kV Combwave 6 kV Unipolar impulse in accordance with ANSI/IEEE C62.41 at input port
Galvanic isolation 2120 VDC (mA, max) Inner (input) - Inner (output); Outer (input) - Outer (output)	0.2
Galvanic isolation 230 VAC (mA, max). Inner (input) - Inner (output); Outer (input) - Outer (output)	8.0
Connectors	F Female - F Female
Size (mm)	38 W x 60 L x 24 H
<b>Mechanical</b>	
Material: Body / Plating / Insulator / Connector Pin	Zinc Diecast / Nickel / HDPE / BeCu
<b>Environmental</b>	
Operating Temperature	-30°C to +60°C



### Global Surge Activity Electrical Storm Regions



The CISP-HR is strongly recommended in regional areas subject to high electrical storm activity demanding the highest electrical surge-strike, and repeated strike protection.

**IP67**  
COMPLIANT

High winds, thunder, rain showers and flooding are commonplace in regions with high electrical storm activity. The CISP-HR is rated to IP67 standards for protection against wind-blown objects and moisture up to full submersion to a meter's depth of water.