

# RF Coaxial Surge Arrestor

Gas Discharge Coaxial Surge Protector, N Male to N Female



## General Information

Westell's RF Coax Surge Protector utilizes gas tube discharge (GDT) technology, provides immediate response to a lightning surge, protecting critical hardware while maintaining the RF performance of radio equipment.

## Applications

- Cellular Communications Systems
- ERCES Public Safety Systems
- Industrial Communications
- Wi-Fi (2.4 GHz ISM Band)

## Frequency Range

- 0~3000 MHz

## Product Highlights

- NFPA 780 Surge Protection, tested per UL 1449
- Surge 6kV/3kA per IEC 6100-4-5 8/20uS
- N-M/N-F Bulkhead Connectors with Ground Lug
- Low Insertion Loss < 0.2 dB
- < 1.20 VSWR

## Electrical Specifications

Frequency Range Supported (MHz)	0~3000 (DC Pass)
Max. peak power (W)	200
Discharge capacity: (kA , 8/20μS wave)	20
Discharge voltage (V)	90
Impedance (Ohms)	50
AC(Vmin) Pressure	2500V 1 min No breakdown and no arcing phenomenon
Insulation Resistance (MΩ)	>5000
Insertion Loss (dB)	<0.20
VSWR	<1.20
Waterproof	IP67
Connector:	N-Type (M) to N-Type (F)
Ground Lug Connector:	#12 AWG Minimum



## Ordering Details

Part Number:	Description:
CS60-024-001	RF Coaxial Surge Arrestor, N Male to N Female

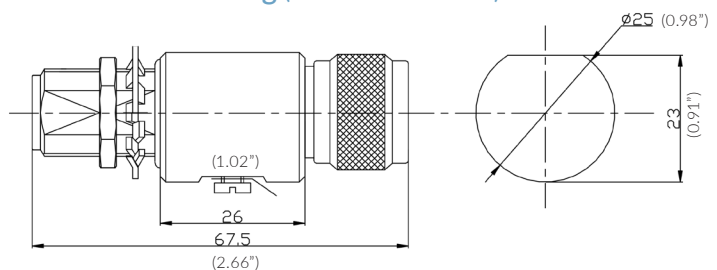
## Mechanical Specifications

Part:	Material:	Plating:
Shell and Nut	Brass (HPb59-1)	≤2μ Alloy Plated
Sealing	Silicone Rubber	N/A
Probe and Inserting Hole	Bronze (QSn6.5-0.1)	≤2μ Silver Plated
Insulator	PTEF (SFX-1)	N/A

**Working Environment:**

Working Temperature	-40~+80°C
Relative Moisture	90% ~95% (Temperature: 40±2°C)

## Mechanical Drawing (Dimensions in Inches)

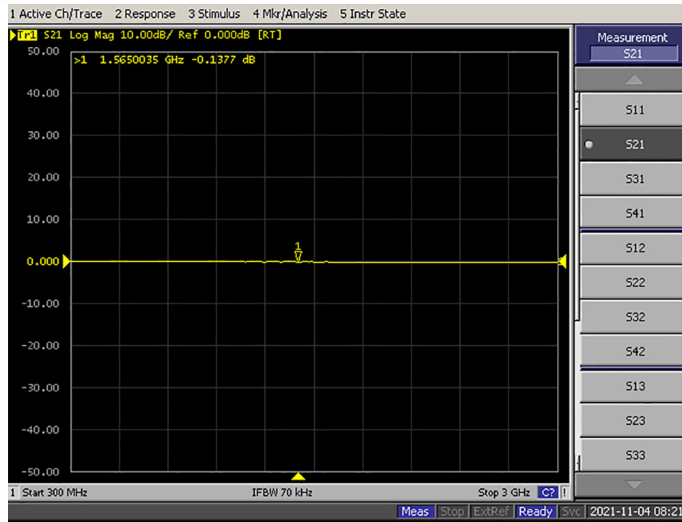


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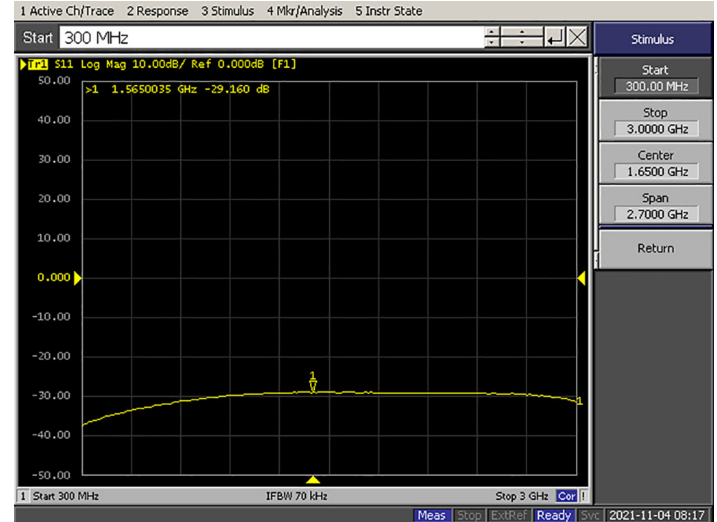
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## Insertion Loss



## Return Loss



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