

# VCL-GPS-PROTEC

## LIGHTNING ARRESTER



### Introduction

VCL-GPS-PROTEC Coaxial Surge Protective Device (SPD) has been designed to provide heavy duty protection for antennas, broadband, microwave, GPS, cellular and CATV applications against surges caused by lightning and other electrical transients.

#### Features

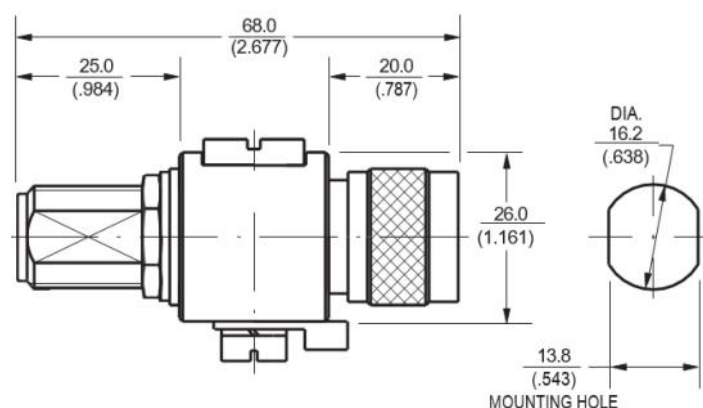
- Heavy duty design
- High frequency DC-4 GHz
- DC Pass to  $\pm 48$  V
- VSWR <1.2
- Low insertion loss <0.1 dB
- Bidirectional
- Water resistant
- Replaceable gas tube
- Three grounding options

#### Applications

- Multi-point radio and backhaul bridges
- Tower Mounted Amplifiers (TMA)
- Antenna systems
- Tower Top Electronics (TTE)
- Transmitters and receivers
- WiFi
- Wimax broadband wireless

Electrical characteristics	
Frequency Range	DC-4GHz
DC Turn-On (Breakdown)	90-130V
Technology	Gas Discharge Tube
Insertion Loss	≤0.2dB
Return Loss	≥20dB
VSWR	<1.2:1
I <sub>peak</sub> (8/20 μs)	20kA
Maximum Power	25W
Maximum current	10A
Impedance	50 ohms
General characteristics	
Connection Method	Series (Bidirectional)
Connectors	N, F
Grounding	M6 Screw, Bulkhead, Bracket
Weight	4.4 oz (113 g.)
Environmental characteristics	
Environmental Rating	IP65
Operating Temperature	-50 °C to +85 °C
Operating Altitude	13.000Ft (4.000m)
Relative Humidity	Up to 5-95%
	Non-condensing: Up to 100%

## Dimensions



## Ordering Informations

Reference	Description
VCL-GPS-PROTEC	50 Ohm Lightning Protection Kit, High Frequency Coaxial Surge Protection Device (SPD) [N-Type (M) / N-Type (F)]



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