



DTK-VSPN Coaxial RF Surge Protector

DITEK's DTK-VSPN surge protector combines state-of-the-art circuit technology with N-type connectors to protect a variety of coaxial devices. Wireless communicators are becoming widely used in the fire alarm industry. Many installations require an external antenna kit to attain an acceptable wireless signal strength. Bi-directional amplifiers (BDS) and distributed antenna systems may also be installed to boost two-way radio communications and wireless service throughout a facility, especially where "dead zones" are present. Since antennas are external to the building, they become an avenue for damaging transient surges to enter the system through the coaxial antenna cable.



Product Features

- Protects external antenna leads to cellular transmitters, BDA, DAS, GPS or base stations
- Tight clamping level provides superior protection
- Small footprint makes installation easy
- Grounding lug for easy termination
- 0Hz – 5GHz frequency range

Applications

- GSM Antenna Extenders & Base Stations
- Bi-Directional Amplifiers (BDA)
- Distributed Antenna Systems (DAS)

Technical Specifications

Service Voltage:	50VDC
Protection Modes:	Center Pin-Shield
Clamping Voltage:	230VDC
Surge Current Rating:	10,000A
Band Pass Range:	0Hz – 5GHz
Standing Wave Ratio:	1.8:1 @ 4.75GHz
Insertion Loss:	<1.93dB @ 4.75GHz
Impedance:	50 Ohms

Mechanical Specifications

Connection Method:	N-Type (Female) In/Out
Housing:	Nickel Plated Brass
Dimensions:	2.55" L x 1.0" W x 1.0" H (65 mm x 25 mm x 25 mm)
Weight:	4.0 oz (71 g)

Quality Standards & Approvals

Standards Compliance:	IEC60169-4, IEC61643-21
Warranty:	10 Year Limited Warranty

Wiring Diagram

