DTK-VSPSMA

Coaxial RF Surge Protector



DITEK's DTK-VSPSMA surge protector combines state-of-the-art circuit technology with SMA-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
- 0Hz – 3GHz frequency range
- Small footprint for ease of installation

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:	104Vdc
Surge Current Rating:	10,000A
Band Pass Range:	0Hz – 3GHz
Insertion Loss:	0.3dB @ 3.0GHz
Standing Wave Ratio:	<1.2:1 @ 3.0GHz
Impedance:	50 ohms

Every precaution has been taken to ensure that this is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.

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MECHANICAL SPECIFICATIONS	
Connection Method:	SMA-type male to female
Housing:	Nickel plated brass
Dimensions:	1.77 in. L x 1.0 in. W x 1.0 in. H (45 mm x 25 mm x 25 mm)
Weight:	4.0 oz (113 g)

SAFETY STANDARDS AND CERTIFICATIONS	
Standards Compliance:	IEC 60169-4 IEC 61643-21
Warranty:	10 Year Limited Warranty

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