TPKW-TNC

Data and Signal Surge Protection

SPD for Coaxial & Radio frecuency (RF) Systems

TPKW is the series of devices for discharging transient overvoltages induced in coaxial lines. In accordance with IEC 61643-21. Coaxial format.

- ■Suitable for the protection of radiofrequency transmission and reception equipment. By their nature, they are highly exposed to induced transient overvoltages (surges) associated with meteorological activity.
- ■For TNC connectors.
- ■Ideal for the protection of transmission and reception systems such as TV and radio antennas, closed circuit TV (CCTV), alarms, etc.
- ■Discharge capacity with an 8/20 µs waveform: 20 kA.

Application

Multi-point radio
Tower Mounted Amplifi ers (TMA)
Antenna systems
Tower Top Electronics (TTE)
Transmitters and recievers
WiFi
Wimax broadband wireless

Features/Benefits

Easy installation
Low Insertion Loss
Wide operating frequency spectrum
Very fast response
High Energy GDT Technology
Field Replaceable GDT
Waterproof Design
DC Pass configuration
Bi-Directional Protection
Good transmission ef fect
Strong anti-interference
complies IEC 61643-21 standard

Data sheet

Type / Technical Data	TPKW-TNC
Frequency	0-6GHZ
Maximum continuous operating voltage (Uc)	75V
Nominal discharge current (8/20µs) (In)	10kA
Maximum discharge current (8/20µs) (Imax)	20kA
Voltage protection level (8/20µs) (Up)	≤ 600V
Maximum Current	10A
Maximum peak power	200W
Impedance	50Ω
Insertion Loss	< 0.2dB
Return Loss	> 20dB
VSWR	< 1.3:1
Response time (tA)	< 1ns
Degree of protection	IP 65
Enclosure Material	Metal
Temperature range	-40ºC~+80ºC
Altitude	13123 ft [4000m]
Connection	TNC (Male,Female)
Housing	In-line Installation
Field Replaceable GDT	YES
Type of SPD	C2,C3
Product standards	IEC 61643-21

Dimensions