


# TPKW-SMA

## Data and Signal Surge Protection

## SPD for Coaxial & Radio frecuency (RF) Systems

OBVW 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 SMA 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

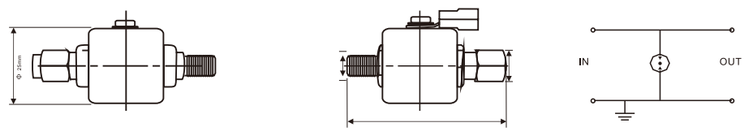
## Features/Benefits

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-SMA |
|---|---|
| Frequency | 0-3GHZ |
| 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 | < 1.2:1 |
| Response time (tA) | < 100ns |
| Degree of protection | IP 65 |
| Enclosure Material | Metal |
| Temperature range | -40° C~+80° C |
| Altitude | 13123 ft [4000m] |
| Connection | SMA (Male, Female) |
| Housing | In-line Installation |
| Field Replaceable GDT | YES |
| Type of SPD | C2,C3 |
| Product standards | IEC 61643-21 |

## Dimensions




SMA