

TPS-series

Power Line and Signal Surge Protector



2 Channels-Signal TVSS



Make simple power strip become a TVSS

- Easy installation with simple power strip plug
- Parallel installation with AC power system
- Make simple power strip become a surge protector for preventing your electrical equipments against power line surge damage
- 2 channels of signal surge protection for protecting against surge entering the data lines and signal lines for IT and telecom equipments
- LED protected status and fault wiring indicator
- All TVSS protection mode ; L-N, L-E, N-E
- AC multi-surge TVSS in location category A or B
- Designed in accordance with ANSI/IEEE C62.41 and ANSI/IEEE C62.42
- ISO 9001:2015 and ISO 14001 certified factory

TVSS ⚡

| MODEL | | TPS-111BH/LAN | TPS-111BH/ADSL |
|---|--|--|----------------------|
| Electrical system | | Single phase L-N-E | |
| Nominal input | | 200 - 250 Vac, 50 - 60 Hz | |
| Principle | | Multi-surge TVSS | |
| TVSS protection mode | | All mode; L-N, L-E, N-E | |
| Maximum Continuous Operating Voltage (MCOV) | | 280 Vac | |
| Surge capability (I _{max}) | | 10 kA (20 kA is optional) | |
| Location category | | ANSI/IEEE C62.41 CAT.A1, A2, A3, B1 | |
| Indicator (LED) | | TVSS Protected (green), Fault Wiring (red) | |
| Primary state | | Gas arrester | |
| TVSS function | | Long discharge transient | |
| Impulse spark over voltage | | 900 V at 1 kV/μs | |
| Secondary state | | Star varistor | |
| TVSS function | | Fast response transient | |
| Clamp voltage | | 710 / 775 V | |
| Transient current | | 10 - 20 kA (8/20 μs wave form) | |
| Total transient energy | | 3,800 Joules | |
| Transient response time | | Less than 25 ns | |
| Number of signal protection channel | | 2 | 2 |
| Signal applications | | LAN 10 Base-T | ADSL |
| Connectors | | Modular plug RJ45-8C | Modular plug RJ45-8C |
| Line protection | | 1 - 8 | 4 - 5 |
| Breakdown voltage (V _{BR}) | | 6.8 | 270 |
| 8/20 μs wave form (short impulse) | | V _{CL} 13.4 A _{CL} 746 | 1,500 100 |
| 10/1000 μs wave form (long impulse) | | V _{CL} 10.5 A _{CL} 143 | 1,000 50 |
| Peak pulse power dissipation | | 1,500 W (10/1000 μs wave form) | |
| Fast response time | | 5 ns | |
| Low line capacitance | | Less than 15 pF | |
| High speed buad rate | | Less than 20 MHz | |
| DC isolated ground | | V _{ISO} = 1,000/6,000 V | |
| Repititive peak plus current | | I _{ISO} = 100 A (8/20 μs wave form) | |
| Environment | | Temperature 0 - 40°C | |
| | | Relative humidity 0 - 95% (non-condensing) | |
| Dimensions (W x H x D) | | 110 x 55 x 102 mm. | |
| Weight (approx. in kg) | | 0.6 kg | |