

## TPS-series

## TVSS POWER STRIP

### Power Line and Signal Surge Protector

#### SPECIFICATIONS

ELECTRICAL SYSTEM	Single phase L-N-E
NOMINAL INPUT	200-250 Vac, 50-60 Hz
RATED POWER	2,500 VA, 10 A max.
PRINCIPLE	Multi-Surge TVSS
PROTECTION MODE	All mode; L-N, L-E, N-E
HIGH MCOV	280 Vac
SURGE CAPABILITY ( $I_{MAX}$ )	10 kA (20 kA option)
TVSS STANDARD	ANSI/IEEE C62.41 CAT.B1
OVERLOAD PROTECTION	10 A/250 Vac
NUMBER OF OUTLET	6 x LEONICS type
INDICATOR (LED)	TVSS Protected (green) Fault wiring (red)
PRIMARY STATE	Gas arrester
TVSS FUNCTION	Long discharge transient
IMPULSE SPARK OVER VOLTAGE	900 V at 100 V/ $\mu$ S
SECONDARY STATE	Star varistor
TVSS FUNCTION	Fast response transient
CLAMP VOLTAGE	710 / 775 V
TRANSIENT CURRENT	10-20 kA (8/20 $\mu$ s wave form)
TOTAL TRANSIENT ENERGY	3,800 Joules
TRANSIENT RESPONSE TIME	less than 25 ns

#### SIGNAL SURGE PROTECTION

PEAK PLUSE POWER DISSIPATION	1,500 W (10/1000 $\mu$ s wave form)
FAST RESPONSE TIME	5 ns
LOW LINE CAPACITANCE	less than 15 pF
HIGH SPEED BUADRATE	less than 20 MHz
DC ISOLATED GROUND	$V_{ISO} = 1,000/6,000$ V
REPITITIVE PEAK PLUS CURRENT	$I_{ISO} = 100$ A (8/20 $\mu$ s wave form)
ENVIRONMENT	0-40°C 0-95% RH (non-condensing)
DIMENSIONS (WxHxD)	120 x 260 x 60 mm.
WEIGHT	1.5 kg.



2 ports of signal TVSS



TVSS ⚡



- Easy installation for basic extension power
- 6 outlets of AC surge protection for protecting your home and office equipments from AC power line surges
- 2 Channels of signal surge protection for protecting against surge entering the data lines and signal lines for IT, AV or 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 and B
- Accordance with ANSI/IEEE C62.41-1991 and ANSI/IEEE C62.42-2000
- ISO 9001:2008 and ISO 140001 certified factory

#### SIGNAL SURGE PROTECTION

MODEL	APPLICATIONS	CONNECTOR	LINE PROTECTION	BREAKDOWN VOLTAGE ( $V_{BR}$ )	8/20 $\mu$ s WAVE FORM		10/100 $\mu$ s WAVE FORM		
					$V_{CL}$	$A_{CL}$	$V_{CL}$	$A_{CL}$	
TPS-RS232	RS-232C	Modular plug RJ45-8C	1-8	33	59	169	45.7	33	
TPS-RS485	RS-485/RS-422		1-8	6.8	13.4	746	10.5	143	
TPS-LAN*	LAN 10Base-T		1-8	6.8	13.4	746	10.5	143	
TPS-TEL.	Tel./Fax/Modem		4-5	180	1,500	100	1,000	50	
TPS-ISDN*	ISDN		4-5	180	1,500	100	1,000	50	
TPS-DSL	Digital lease line		4-5, 3-6	180	317	31.5	246	6.1	
TPS-ADSL*	ADSL		4-5	270	1,500	100	1,000	50	
TPS-HDSL	HDSL		4-5, 3-6	270	388	26	328	4.6	
TPS-PLC	PLC 24 Volt		1-8	33	59	169	45.7	33	
TPS-DATA	Telecom 48 Volt		1-8	68	121	83	92	16.3	
TPS-CATV	CATV 70 Volt		Coaxial F-type	center-shield	90	600	10k	-	-
TPS-SOHO	Tel./Fax/Modem LAN 10Base-T		Modular plug RJ45-8C	4-5 1-8	180 6.8	1,500 13.4	100 746	1,000 10.5	50 143
TPS-HOME*	Tel./Fax/Modem CATV 70 Volt	Modular plug RJ45-8C Coaxial F-type	4-5 center-shield	180 90	1,500 600	100 10k	1,000 -	50 -	
TPS-MFG	RS-232C RS-485/RS-422	Modular plug RJ45-8C	1-8	33 6.8	59 13.4	169 746	45.7 10.5	33 143	

\*Stock model,  $V_{CL}$  = Clamping Voltage,  $A_{CL}$  = Clamping current

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.