

TPF-series

TVSS POWER FILTRATION Power Surge Filter and Signal Surge Protector

SPECIFICATIONS

ELECTRICAL SYSTEM	Single phase L-N-E
NOMINAL INPUT	180-280 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
FILTER MODE	Surge & EMI filter
HIGH MCOV	280 Vac
SURGE CAPABILITY (I _{max})	15 kA
TVSS STANDARD	ANSI/IEEE C62.41 CAT.B1
THERMAL FUSE PROTECTION	10 A/250 Vac
NUMBER OF OUTLET	1 x LEONICS type
INDICATOR (LED)	TVSS Protected (green)
PRIMARY STATE	Delta arrester
TVSS FUNCTION	Transient and Swell
SECONDARY STATE	Star varistor
TVSS FUNCTION	Fast response transient
CLAMP VOLTAGE (V _{peak})	710 / 775 V
TRANSIENT CURRENT	> 15 kA (8/20 μs wave form)
TOTAL TRANSIENT ENERGY	3,800 Joules
TRANSIENT RESPONSE TIME	less than 25 ns



TVSS ⚡



Rear Panel

SIGNAL SURGE PROTECTION

PEAK PLUSE POWER DISSIPATION	1,500 W (10/1000 μs 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
PEAK PULSE CURRENT	I _{ISO} = 100 A (8/20 μs wave form)
ENVIRONMENT	0-45°C 0-95% RH (non-condensing)
DIMENSIONS (WxHxD)	100 x 60 x 145 mm.
WEIGHT	0.8 kg.

- Easy installation for basic extension power
- 1 outlet of AC surge protection and 1 channel of signal surge protection
- LED protected status indicator
- All TVSS protection mode; L-N, L-E, N-E
- Application for IT and telecommunication system.
- AC multi-surge TVSS in location category A and B
- Accordance with ANSI/IEEE C62.41-1991 and ANSI/IEEE C62.42-2000

SIGNAL SURGE PROTECTION Double state protection with DC isolated ground

MODEL	APPLICATIONS	CONNECTOR	LINE PROTECTION	BREAKDOWN VOLTAGE (V _{BR})	8/20 μs WAVE FORM		10/100 μs WAVE FORM	
					V _{CL}	A _{CL}	V _{CL}	A _{CL}
TPF-RS232	RS-232C	Modular plug RJ45-8C	1-8	33	59	169	45.7	33
TPF-RS485	RS-485/RS-422		1-8	6.8	13.4	746	10.5	143
TPF-LAN	LAN 10Base-T		1-8	6.8	13.4	746	10.5	143
TPF-TEL.	Tel./Fax/Modem		4-5	180	1,500	100	1,000	50
TPF-ISDN	ISDN		4-5	180	1,500	100	1,000	50
TPF-DSL	Digital lease line		4-5, 3-6	180	317	31.5	246	6.1
TPF-ADSL*	ADSL		4-5	270	1,500	100	1,000	50
TPF-HDSL	HDSL		4-5, 3-6	270	388	26	328	4.6
TPF-PLC	PLC 24 Volt		1-8	33	59	169	45.7	33
TPF-DATA	Telecom 48 Volt		1-8	68	121	83	92	16.3

*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.

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