

# TSG Series

80A 12~36Vdc input voltage surge protection ,mounting screw

Features:

- ◆ low power consumption and high reliability
- ◆ The internal component has a fuse.
- ◆ Has an indicative function
- ◆ Complies with GJB 298 and GJB 181B requirements for voltage surge protection



## Performance parameters

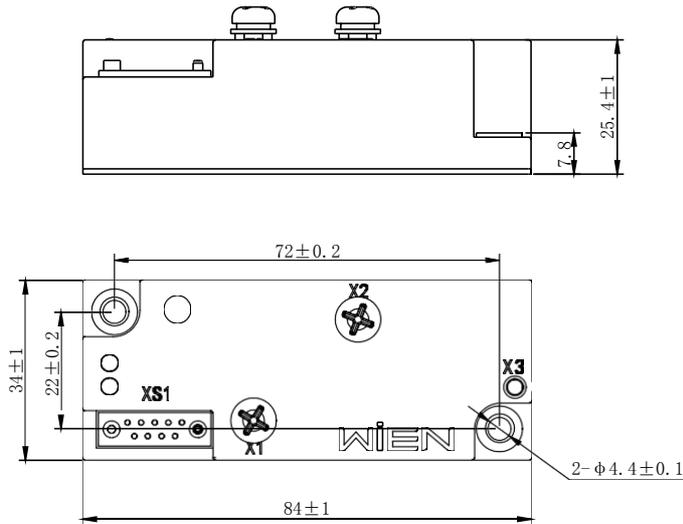
Performance parameters	Minimum	Typical	Maximum	Unit
Working baseplate temperature	-40	+25	+105	℃
Storage temperature	-55	+25	+105	℃
Clamp voltage	40	42	44	V
Steady-state output current	0	80	—	A
Indication function	Indication light and optocoupler open-leak output			

## Production Selection Table

Product model	Input voltage (Vdc)	Clamp voltage (Vdc)	Overvoltage surge (ms)	Maximum current (A)
TSGM-42ID	12-36V	42	100/50	80
TSGM-84ID	12-72V	84	100	80

Note: This product employs a passive absorption method, capable of absorbing transient energy up to 13kW/1ms.

## Encapsulation size



- Note: 1) Unit: mm  
2) Unspecified tolerane: X.X±0.5 X.XX±0.25

Power - link definition :

Terminal number	X1	X2	X3
Symtol	VIN+	VIN-	NP
Function	Positive power input	Negative power input	leadless

X S 1 definition :

Terminal number	1-6, 8	7	9
Symtol	NC	ISO1	ISO2
Function	connectionless	optocoupler collector	optocoupler emitter