

## TSZ Series

1A 0-200VDC input voltage surge protection,DIP package

Features:

- ◆ Input clamp voltage: 36Vdc/75Vdc
- ◆ Compact size, low power consumption, and high reliability
- ◆ Complies with GJB 298 and GJB 181B requirements for voltage surge protection.

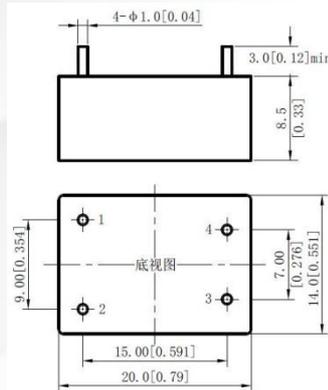


### Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Working temperature	-55		+85	°C	
Storage Temperature	-55		+125	°C	
Input to output voltage difference		50	100	mV	Non-overflow
Steady-state maximum output current		1		A	Clamping

Product model	Input voltage (Vdc)	Clamp voltage (Vdc)	Surge time (ms)	Maximum current (A)
TSZ36S1A	9~36	36	100/50V	1
TSZ75S1A	18~75	75	100/100V	1

### Encapsulation size



引脚	功能	说明
1	+Vin	输入正
2	-Vin	输入负
3	-Vo	输出负
4	+Vo	输出正

注: 单位: mm[inches]  
未注公差:  
X.XX±0.5 [X.XX±0.02]  
X.XX±0.25 [X.XX±0.010]  
引脚直径公差:  
±0.10 [±0.004]

## TSL Series

8A 0-250Vdc input voltage surge protection,DIP package

Features:

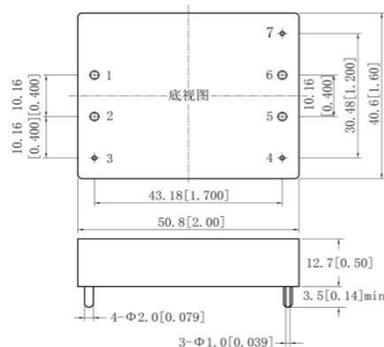
- ◆ Input clamping voltage: 50Vdc
- ◆ Low power consumption and high reliability
- ◆ Anti-reverse connection protection
- ◆ Complies with GJB 298 and GJB 181B requirements for voltage surge protection.



### Performance parameters

Performance parameters	Minimum	Typical	Maximum	Unit	Test Conditions
Working temperature	-45		+85	°C	
Storage Temperature	-55		+125	°C	
Input to output voltage difference		200	500	mV	Non-overflow
Steady-state maximum output current		8		A	
Insertion loss	28			dB	300kHz / 50 Ω

### Encapsulation size



引脚	功能	说明
1	+Vin	输入正
2	-Vin	输入负
3	FG	大地
4	Cnt	控制信号
5	-Vo	输出负
6	+Vo	输出正
7	NC	空管脚

注: 单位: mm[inches]  
未注公差:  
X.XX±0.5 [X.XX±0.02]  
X.XX±0.25 [X.XX±0.010]  
引脚直径公差:  
±0.10 [±0.004]

### Production Selection Table

Product model	Input voltage (Vdc)	Clamp voltage (Vdc)	Surge time (ms)	Maximum current (A)
TSL50S8	16~50	50	100/80V	8
TSL80S8	16~100	80	100/100V	8