

Dual TVS Array for ESD Protection

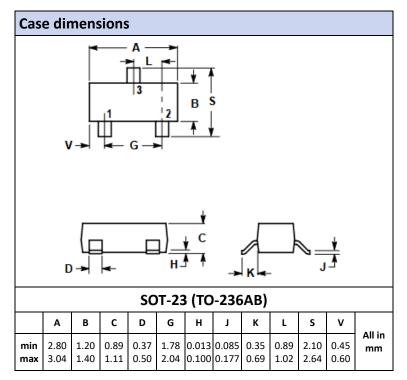
Primary characteristics				
Parameter	Symbol	Value	Unit	
Peak repetitive reverse voltage	Vrwm	5V	V	
Reverse breakdown voltage	V _{BR}	6V	V	
Peak pulse power	P _{PP}	300	W	

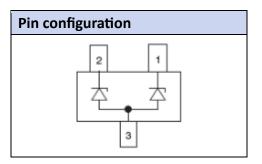
Features

- SOT-23 case for easy automatic insertion
- Pb-free and **RoHS** compliant
- 2 Unidirectional Transil functions
- 300W peak pulse power(8/20µs)
- Transient protection for data lines as per IEC61000-4-2(ESD) 15kV(air) 8kV(contact) IEC61000-4-5(Lightning) see IPPM below

Applications

- Communication systems
- Computers
- Printers

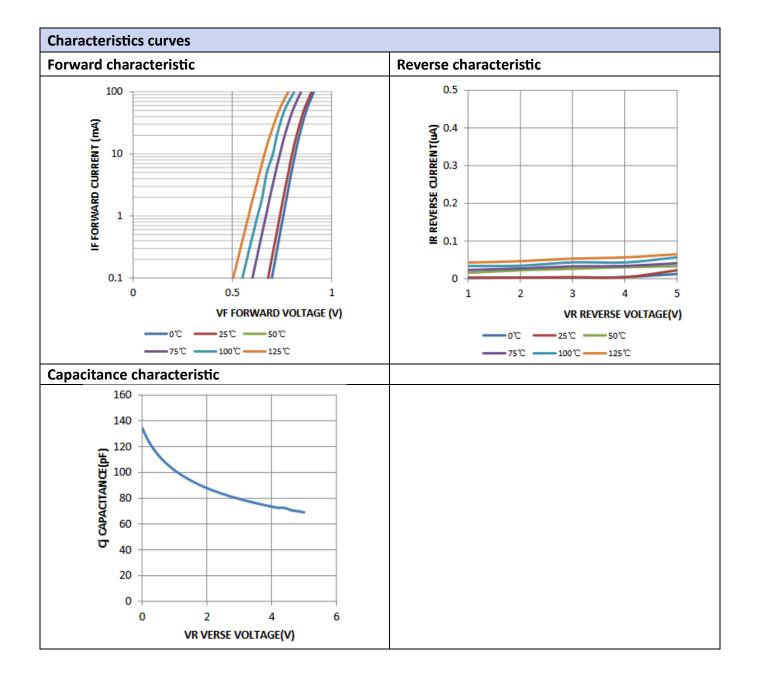




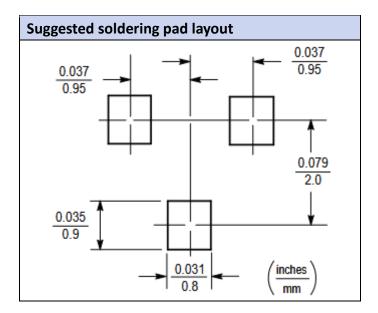
Maximum ratings (T _a = 25°C)					
Characteristic	Symbol	Value	Unit		
Peak pulse power (t _p =8/20µs)	Ррр	300	W		
IEC 61000-4-2 (ESD) – Contact		±8	kV		
IEC 61000-4-2 (ESD) – AIR		±15	ĸv		
Thermal characteristics					
Characteristic	Symbol	Value	Unit		
Lead Solder Temperature – Maximum (10 Second Duration)	TL	260	°C		
Junction temperature	۲J	150	°C		
Storage temperature range	T _{STG}	-55 ~ 150	°C		
Operating temperature range	Тор	-40 ~ 125	°C		



Electrical Characteristics (Ta= 25°C)			
Characteristic	Symbol	Value	Unit
Peak repetitive reverse voltage	Vrwm	5	V
Reverse leaking current	IR	5	uA
Reverse break down voltage	V _{BR}	6	V
Clamping voltage min.	Vc	9.8	V
Clamping voltage max.	Vc	12.5	V
Junction capacitance	С	220	pF







Ordering information		
Part Number	Package	Shipping Quantity
AKSOT05CLT1G	SOT-23	3000 pcs / reel

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