

Low Capacitance TVS Diode Array

Primary characteristics					
Parameter	Symbol	Value	Unit		
ESD per IEC 61000-4-2 (contact)	V _{ESD}	±30	kV		
ESD per IEC 61000-4-2 (air)	V _{ESD}	±30	kV		
Peak pulse power (8/20μs)	P _{PP}	200	W		

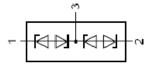
Features

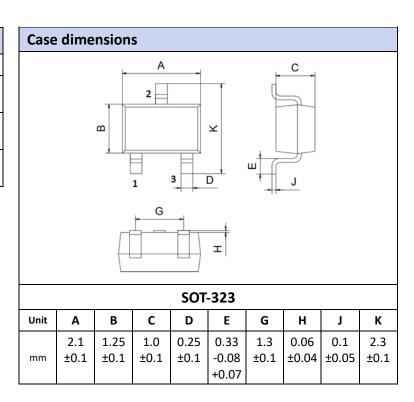
- **SOT-323** case for easy automatic insertion.
- Pb-free and RoHS compliant
- Low reverse clamping voltage
- Ultra low leakage current

Applications

- Automotive
- CAN bus protection

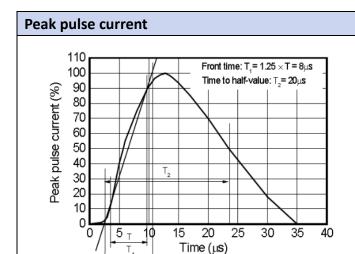
Pin configuration



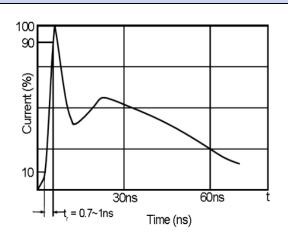


Maximum ratings and electrical characteristics (T _a = 25°C)						
Characteristics	Test condition	Cumbal	Value			l locit
		Symbol	Min.	Тур.	Max.	Unit
ESD per IEC 61000-4-2	Contact	V	-30	-	30	kV
ESD per IEC 61000-4-2	Air	V _{ESD}	-30	-	30	
Peak pulse power	t _p =8/20μs	P _{PP}	-	-	200	W
Peak pulse current	t _p =8/20μs	I _{PP}	-	-	3.0	Α
Operating temperature	-	Торт	-55	-	125	°C
Storage temperature	-	T _{STG}	-55	-	150	°C
Reverse stand-off voltage		V_{RWM}	-	-	24	V
Reverse breakdown voltage	I _T =1.0mA	V _{BR}	26.7	28	30	V
Reverse leakage current	V _{RWM} =24V	I _R	-	-	1.0	μΑ
Clarening walkage	I_{PP} =1.0A, t_p =8/20 μ s	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	-	40	V
Clamping voltage	I _{PP} =3.0A, t _p =8/20μs	Vc	-	-	70	V
Junction capacitance	V _R =0V, f=1.0MHz	CJ	-	13	-	pF

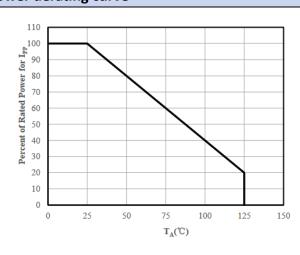




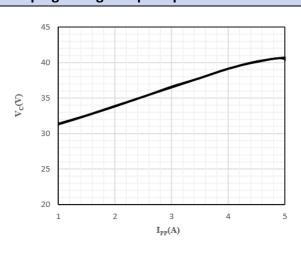
ESD pulse waveform according to IEC61000-4-2



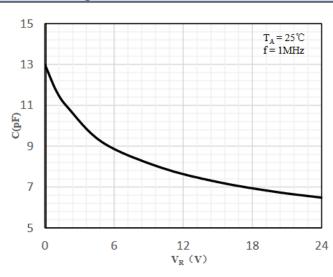
Power derating curve



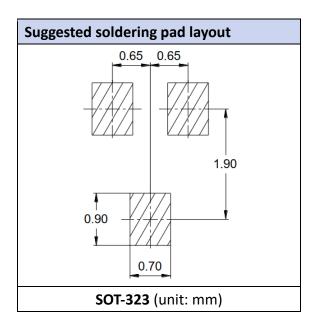
Clamping voltage vs. peak pulse current



Junction capacitance vs. reverse voltage







Ordering information					
Part Number	Package	Shipping Quantity			
PESD1CANW	SOT-323	3 000 pcs / reel			

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