MSKSEMI 美森科







TSS



MOV



GDT



PIFD

BAS16WX

Product specification

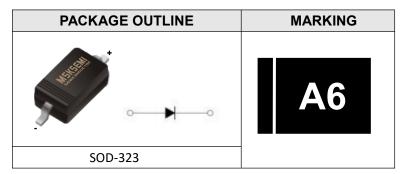




FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance

Reference News



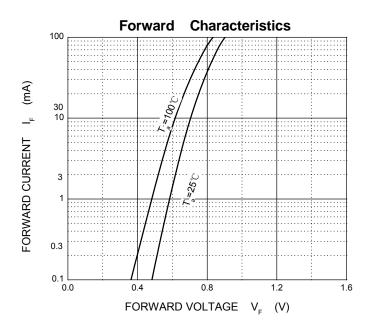
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25℃

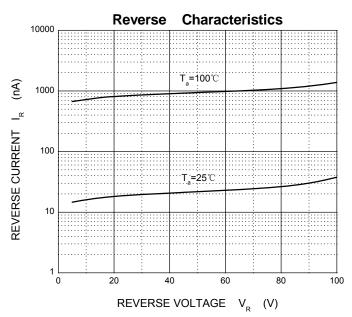
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	85	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	75	V
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Average Rectified Output Current	lo	100	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	IFSM	2.0	А
Power Dissipation	Pd	200	mW
Thermal Resistance Junction to Ambient	R _{0JA}	625	°C/W
Operation Junction and Storage Temperature Range	T_{J}, T_{STG}	-55~+150	${\mathfrak C}$

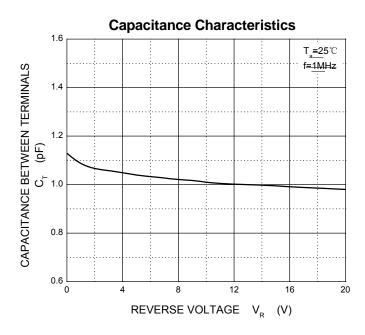
Electrical Ratings @Ta=25℃

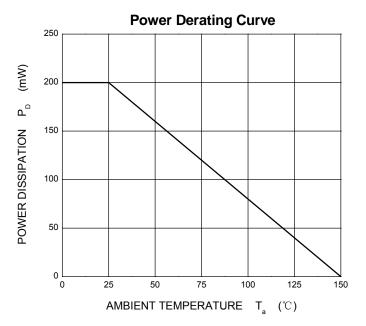
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit	
Reverse voltage	V _(BR)	l _R =10µA	75			V	
Forward voltage	VF	l⊧=1mA			0.715 0.855		
		l⊧=10mA					
		l==50mA			1		
		I _F = 150mA	150mA		1.25		
Reverse current	lR	V _R =75V			1	μΑ	
Total capacitance	C _{tot}	V _R =0V,f=1MHz			2	pF	
Reverse recovery time	t _{rr}	I _F = I _R =10mA, I _{rr} =0.1×I _R , R _L =100Ω			6	ns	





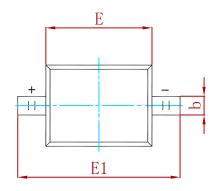


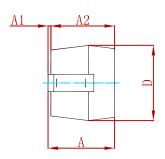


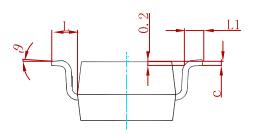




PACKAGE MECHANICAL DATA

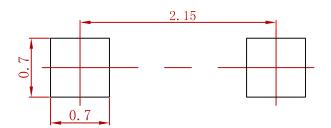






Cumbal	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
Α		1.000		0.039	
A 1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L,	0.475 REF.		0.019 REF.		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

Suggested Pad Layout



- Note:
 1.Controlling dimension:in millimeters.
 2.General tolerance:±0.05mm.
 3.The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
BAS16WX	SOD-323	3000



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