MSKSEMI 美森科













FSD

TVS

TSS

MOV

GDT

PIFD

BAS16W

Product specification

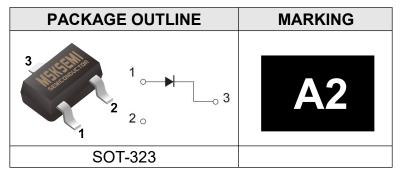




FEATURES

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

Reference News



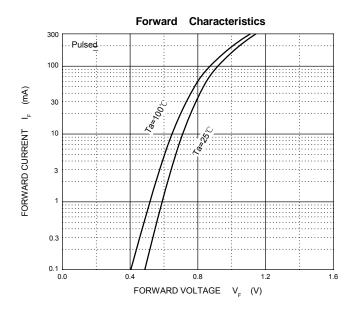
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25 $^{\circ}$ C

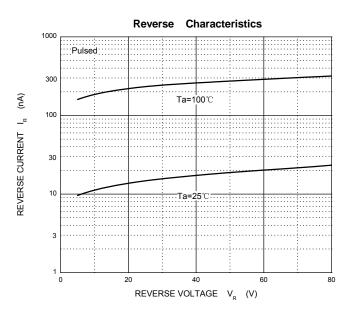
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	75	V
DC Blocking Voltage	VR		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	lo	150	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	2.0	А
Power Dissipation	Pd	200	mW
Thermal Resistance Junction to Ambient	ReJA	625	°C/W
Operation Junction and Storage Temperature Range	T _j ,T _{STG}	-55~+150	°C

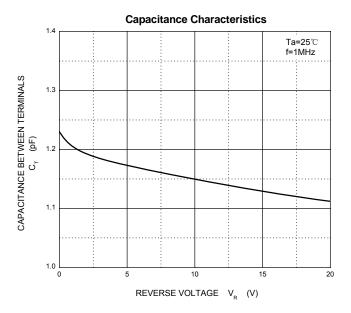
Electrical Ratings @Ta=25℃

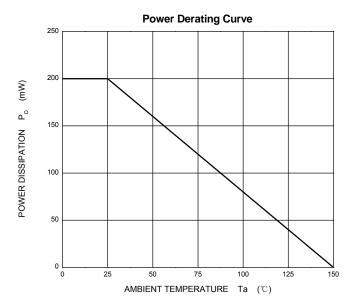
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage	V (BR)	75			V	l _R =10µA
Forward voltage	V _{F1}			0.715	V	l _F =1mA
	V _{F2}			0.855	V	l⊨=10mA
	V _{F3}			1.0	V	l⊧=50mA
	V _{F4}			1.25	V	l⊧=150mA
Reverse current	I _{R1}			1	μA	V _R =75V
Neverse current	I _{R2}			25	nA	V _R =20V
Capacitance between terminals	Ст			2	pF	V _R =0V,f=1MHz
Reverse recovery time	t _{rr}			4	ns	I _F =I _R =10mA
Reverse recovery time	Lrr					Irr=0.1XI _R ,R _L =100Ω





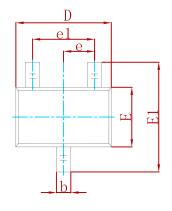


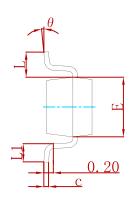


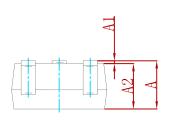




PACKAGEMECHANICALDATA

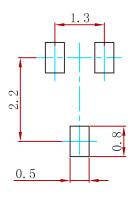






Symbol	Dimensions	In Millimeters	Dimensions In Inches		
Symbol	Min	Max	Min	Max	
Α	0.900	1.100	0.035	0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.000	0.035	0.039	
b	0.200	0.400	0.008	0.016	
С	0.080	0.150	0.003	0.006	
D	2.000	2.200	0.079	0.087	
Е	1.150	1.350	0.045	0.053	
E1	2.150	2.450	0.085	0.096	
е	0.650 TYP		0.026 TYP		
e1	1.200	1.400	0.047	0.055	
L	0.525 REF		0.021 REF		
L1	0.260	0.460	0.010	0.018	
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
BAS16W	SOT-323	3000



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