MSKSEMI 美森科







TVC



TSS



MOV



GDT



BAS70W/-04/-05/-06

Product specification

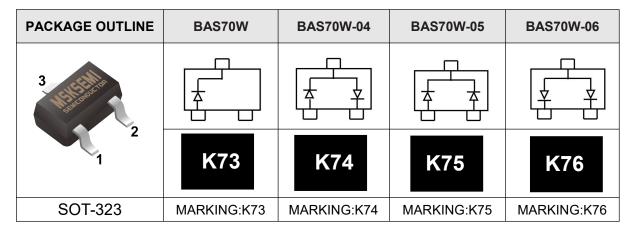




FEATURES

- Low turn-on voltage
- Fast switching
- Also available in lead free version

Reference News



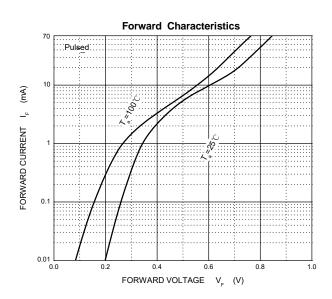
Maximum Ratings @Ta=25 $^{\circ}$ C

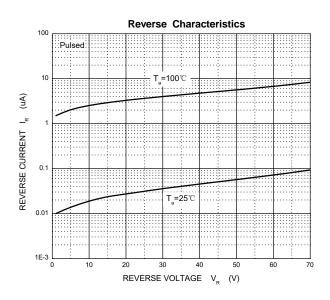
Symbol	Parameter	Value	Unit
V _R	DC Voltage	70	V
l F	Forward Continuous Current	70	mA
I _{FSM}	Non-Repetitive Peak Forward Surge Current @ t = 8.3ms	100	mA
P _D	Power Dissipation	200	mW
R өJA	Thermal Resistance from Junction to Ambient	500	°C/W
TJ	Operating Junction Temperature Range	-40 ~ +125	°C
T _{stg}	Storage Temperature Range	-55 ~ +150	${}^{\mathbf{c}}$

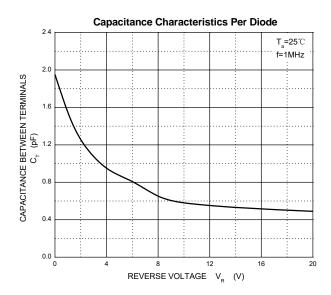
ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

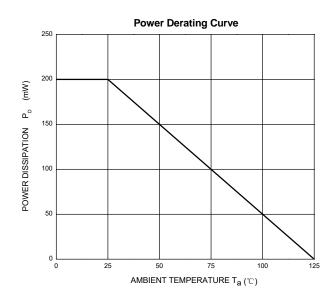
Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V _(BR)	I _R = 10µA	70		V
Reverse voltage leakage current	lR	V _R =50V		100	nA
Forward voltage	VF	I _F =1mA I _F =15mA		410 1000	mV
Diode capacitance	C _D	V _R =0V,f=1MHz		2	pF
Reveres recovery time	t _{rr}	$I_F=I_R=10$ mA, $I_{rr}=0.1$ x I_R , $R_L=100\Omega$		5	ns





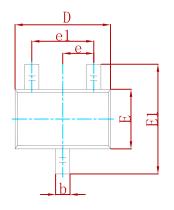


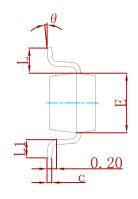


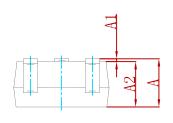




PACKAGEMECHANICALDATA

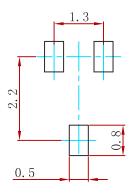






Symbol	Dimensions In Millimeters		Dimensions In Inches		
Syllibol	Min	Max	Min	Max	
Α	0.900	1.100	0.035	0.043	
A1	0.000	0.100	0.000	0.004	
A2	0.900	1.000	0.035	0.039	
b	0.200	0.400	0.008	0.016	
С	0.080	0.150	0.003	0.006	
D	2.000	2.200	0.079	0.087	
E	1.150	1.350	0.045	0.053	
E1	2.150	2.450	0.085	0.096	
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
BAS70W/-04/-05/-06	SOT-323	3000



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