MSKSEMI 美森科







TVC



TSS



MOV



GDT



DIEL

BAV19WS~BAV21WS

Product specification





FEATURES

- Low Reverse Current
- Surface Mount Package Ideally Suited for Automatic Insertion
- Fast Switching Speed
- For General Purpose Switching Applications

Reference News

PACKAGE OUTLINE	PIN CONFIGURATION	BAV19WS	BAV20WS	BAV21WS
		A8	T2	Т3
SOD-323		MARKING:A8	MARKING:T2	MARKING:T3

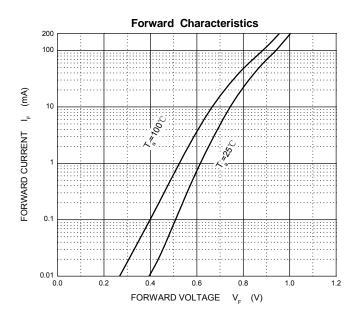
MAXIMUM RATINGS (Ta=25℃ unless otherwise noted)

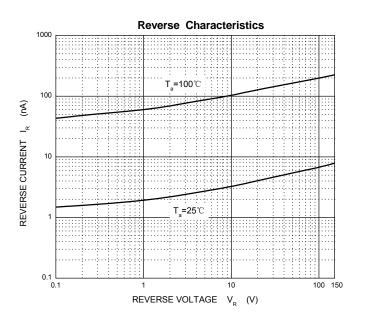
	_				
Symbol	Symbol Parameter		BAV20WS	BAV21WS	Unit
\mathbf{V}_{RM}	Non-Repetitive Peak Reverse Voltage	120	200	250	٧
V_{RRM}	Peak Repetitive Reverse Voltage		222		
V _{RWM}	Working Peak Reverse Voltage	100 150		200	V
$V_{R(RMS)}$	RMS Reverse Voltage	71	106	141	V
lo	Average Rectified Output Current		200		mA
Īfsm	Non-repetitive Peak Forward Surge Current @ t=8.3ms		2.0		Α
I _{FRM}	Repetitive Peak Forward Surge Current		625		mA
\mathbf{P}_{D}	Power Dissipation	250			mW
R _{. JA}	Thermal Resistance from Junction to Ambient 500			°C/W	
T_{J} , T_{stg}	Operation Junction and Storage Temperature Range -55~+150			°C	

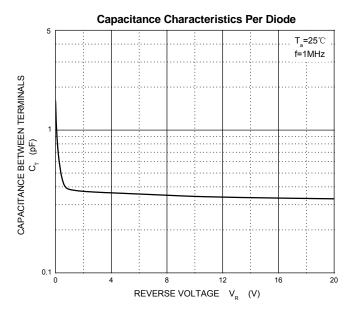
ELECTRICAL CHARACTERISTICS(Ta=25℃ unless otherwise specified)

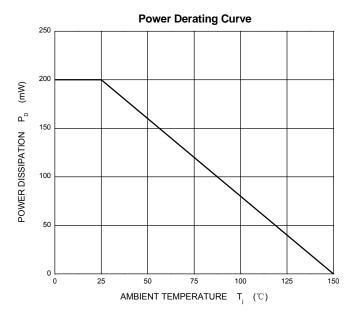
Parameter	Symbol	Test conditions		Min	Тур	Max	Unit
Reverse current	lR	VR=100V	BAV19WS			0.1	uA
		VR=150V	BAV20WS			0.1	
		VR=200V	BAV21WS			0.1	
Forward voltage	VF	IF=100mA				1	V
		IF=200mA				1.25	V
Total capacitance	Ctot	VR=0V,f=1MHz				5	pF
Reverse recovery time	trr	IF= IR =30mA, Irr=0.1*IR	, RL=100Ω			50	ns





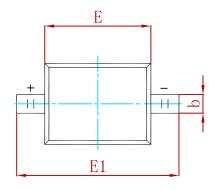


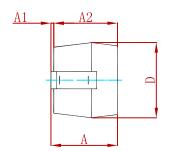


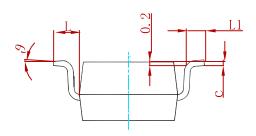




PACKAGE MECHANICAL DATA

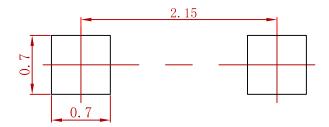






Cumbal	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min.	Max.	Min.	Max.	
Α		1.000		0.039	
A1	0.000	0.100	0.000	0.004	
A2	0.800	0.900	0.031	0.035	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	1.200	1.400	0.047	0.055	
E	1.600	1.800	0.063	0.071	
E1	2.550	2.750	0.100	0.108	
L,	0.475 REF.		0.019 REF.		
L1	0.250	0.400	0.010	0.016	
θ	0°	8°	0°	8°	

Suggested Pad Layout



Note:

- 1.Controllingdimension:inmillimeters. 2.Generaltolerance:±0.05mm.
- 3. The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
BAV19WS~BAV21WS	SOD-323	3000



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