BAV19S / BAV20S / BAV21S

HIGH VOLTAGE SWITCHING DIODE

FEATURES

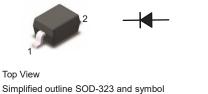
- For surface mounted applications
- Glass Passivated Chip Junction
- Fast reverse recovery time
- Ideal for automated placement
- Lead free in comply with EU RoHS 2011/65/EU directives

MECHANICAL DATA

- Case: SOD-323
- Terminals: Solderable per MIL-STD-750, Method 2026

PINNING

PIN	DESCRIPTION		
1	Cathode		
2	Anode		



ABSOLUTE MAXIMUM RATINGS (at Ta =25 °C)

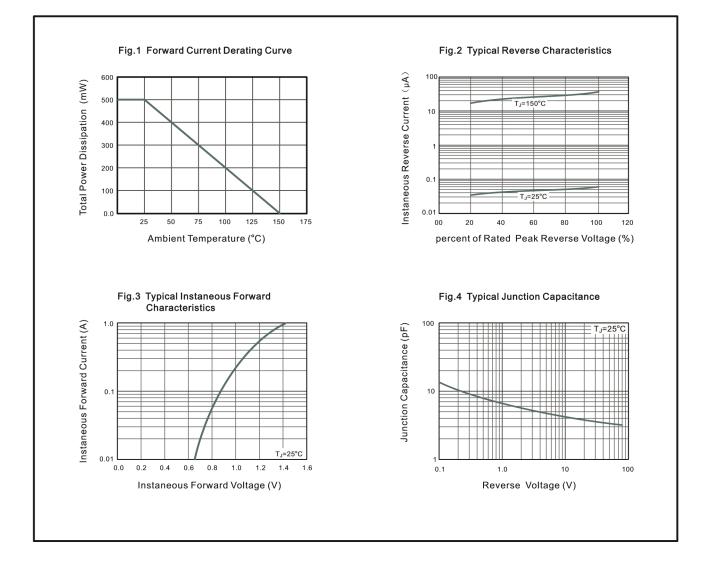
PARAMETER		SYMBOLS	BAV19S	BAV20S	BAV21S	UNITS
Maximum Repetitive Peak Reverse Voltage		V _{RRM}	120	200	250	V
Maximum RMS voltage		V _{RMS}	100	150	200	V
Continuous Forward Current		lF		250		mA
Repetitive Peak Forward Current		IFRM		625		mA
Non-reptitive Peak Forward Surge Current	at 1s at 1ms at 1us	I _{FSM}		1 3 9		A
Total Power Dissipation		P _{tot}	500		mW	
Operating and Storage Temperature Range		T _j , T _{stg}	-55 ~ +150		°C	

CHARACTERISTICS (at Ta = 25 °C)

PARAMETER		SYMBOLS	BAV19S	BAV20S	BAV21S	UNITS
Reverse BreakdownVoltage	at I _R =100µA	V _{(BR)R}	120	200	250	V
Maximum Forward Voltage	at 100 m A at 200 m A	VF		1.00 1.25		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _a =25°C T _a =150 °C	I _R		0.1 100		μΑ
Typical Junction Capacitance at V _R =4V, f=1MHz		Cj		5		pF
Maximum Reverse Recovery Time)	trr		50		ns

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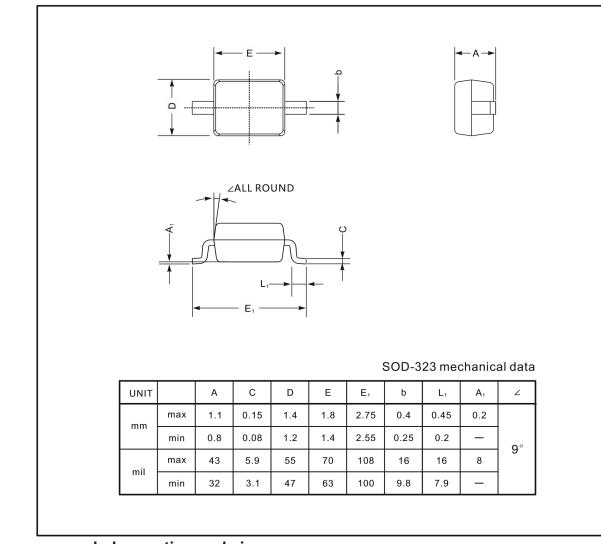
RATINGS AND CHARACTERISTIC CURVES



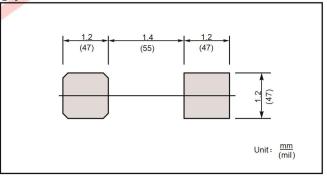
BAV19S / BAV20S / BAV21S

PACKAGE OUTLINE

SOD-323



The recommended mounting pad size



ORDERONG INFORMATION

Device	Package	Shipping
BAV19S/BAV20S/BAV21S	SOD-323	3000PCS/Reel(7inch)