

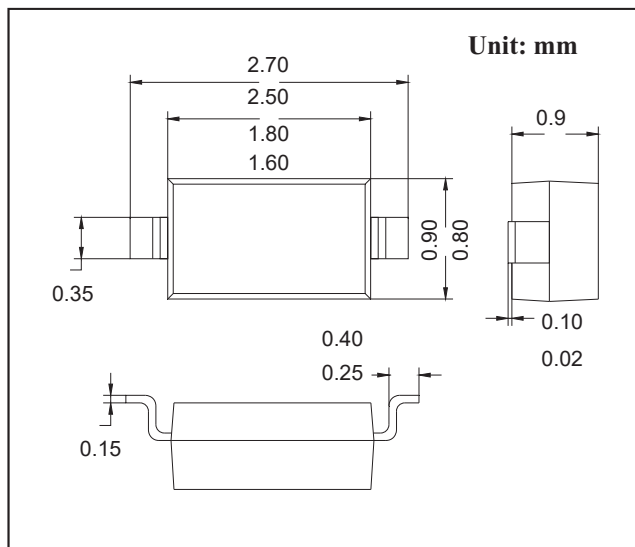
SOD-323 Small Signal Switching Diodes

FEATURES

- The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed:260 °C/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: SOD-323 molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified

Parameters	Symbol	Value			Unit
		BAV19WS	BAV20WS	BAV21WS	
Reverse Voltage	VR	120	200	250	V
Peak Reverse Voltage	VRM	100	150	250	V
Power Dissipation	Pd	250			mW
Operating junction temperature	Tj	150			°C
Storage temperature range	Ts	-65-+150			°C
Thermal Resistance Junction to Ambient Air	RθJA	500			°C/W
Working Inverse Voltage	WIV	75			V
Average Rectified Current	IO	200			mA
Non-repetitive Peak Forward Current	IFM	400			mA
Peak Forward Surge Current @tp=1ms; TA=25°C	IFSM	1.7			A

Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
VRB	Reverse Voltage	IB=100uA BAV19WS BAV20WS BAV21WS	120 200 250	---	V
IR	Reverse Leakage Current	VR=100V BAV19WS VR=150V BAV20WS VR=200V BAV21WS	---	0.1	uA
VF	Forward Voltage	IF=100mA	---	1.00	V
		IF=200mA	---	1.25	
TRR	Reverse Recovery Time	IF= 30mA, IR=30mA	---	50	nS
		RL=100Ω			
		IRR=3mA			
C	Capacitance	VR=0V, f=1MHZ	---	5	pF

RATINGS AND CHARACTERISTIC CURVES

