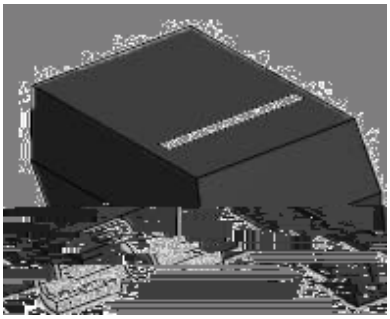
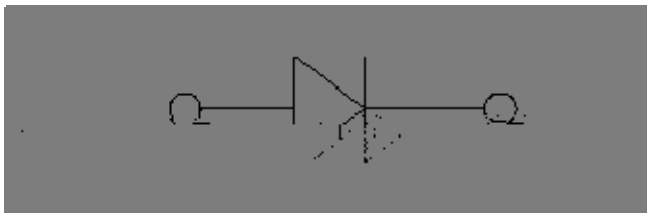
RoHS
COMPLIANT

BAV19WS THRU BAV21WS

Small-Signal Switching Diodes





Features

- V_R 100V/150V/200V
- I_{FAV} 200mA

Typical Applications

- Extreme fast switches

Mechanical Data

- **Package**: SOD-323
- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Cathode line denotes the cathode end

	Marking
BAV19WS	A8
BAV20WS	T2
BAV21WS	T3

■Maximum Ratings (Ta=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE	
				BAV19WS	120
Repetitive peak reverse voltage	V_{RRM}	V		BAV20WS	200
Average forward current	I_{FAV}	mA		200	
Power dissipation	P_{tot}	mW		250	
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	/W		500	
Maximum junction temperature	T_j			-65 to +150	
Storage temperature range	T_{stg}			-65 to +150	

■Electrical Characteristics T_a=25 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Maximum Forward voltage	V_F	V	I_F=100mA	1.0
			I_F=200mA	1.25 ɵ (BR)

		V	BAV19WS	I_R=10uA	100
			BAV20WS	I_R=10uA	150
			BAV21WS	I_R=10uA	200
Maximum Diode capacitance	C_D	pF	V_R=0V, f =1MH$_Z$		5
Maximum Reverse recovery time	t_{rr}	ns	I_F=I_R=30 mA,R_L=100Ω,I_{RR}=3mA		50

■Outline Dimensions

ɣSoldering Footprint

Disclaimer

The information presented in this document is for reference onl ž Ŏ ş] ⁋