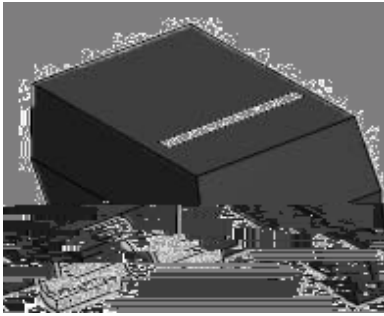




BAV19WS THRU BAV21WS

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 ($T_a=25$ Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	VALUE
Repetitive peak reverse voltage	V_{RRM}	V		BAV19WS 120
				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 $\varnothing$ (BR)

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



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■Outline Dimensions

ySoldering Footprint



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Disclaimer

The information presented in this document is for reference only. It is not intended to be used for any other purpose.