

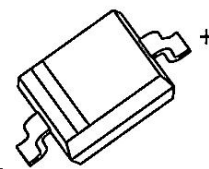
BAV21WS

SWITCUING DIODE

SOD-323

FEATURES

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



MARKING

BAV21WS



The marking bar indicates the cathode
Solid dot = Green molding compound device,
if none, the normal device.

ABSOLUTE MAXIMUM RATINGS (TC=25°C, unless otherwise specified)

SYMBOL	PARAMETER	VALUE	UNIT
		BAV21WS	
VRM	Non-Repetitive Peak Reverse Voltage	250	V
VRRM	Peak Repetitive Peak Reverse Voltage	200	V
VRWM	Working Peak Reverse Voltage		
VR(RMS)	RMS Reverse Voltage		
IO	Average Rectified Output Current	200	mA
IFSM	Non-Repetitive Peak Forward Surge Current(tp=8.3ms)	2.0	A
Pd	Power Dissipation	500	mW
RθJA	Thermal Resistance from Junction to Ambient	250	°C/W
Tj, Tstg	Operation Junction and Storage Temperature Range	-55 to 150	°C

ELECTRICAL CHARACTERISTICS (Tc=25°C unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN	TYP	MAX	UNIT
Reverse current	I_R	$V_R=200V$	BAV21WS			0.1	μA
Forward voltage	V_F	$I_F=100mA$				1	V
		$I_F=200mA$				1.25	
Total capacitance	C_{tot}	$V_R=0V, f=1MHz$				5	pF
Reverse recovery time	t_{rr}	$I_F=I_R=30mA$ $I_{rr}=0.1 \times I_R, R_L=100\Omega$				50	ns

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SWITCHING DIODE

TYPICAL CHARACTERISTICS

