

Dual series switching diode

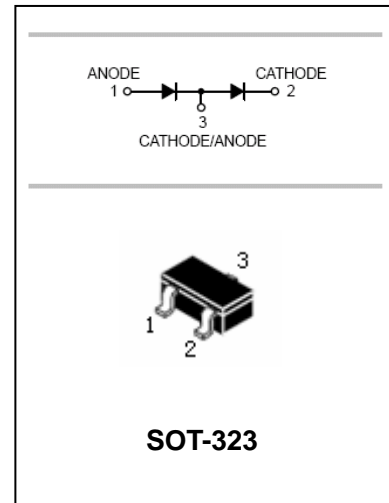
BAV99W

FEATURES

- Fast switching speed.
- High conductance
- Connected in series
- Surface mount package ideally suited for automatic insertion



Lead-free



APPLICATIONS

- For general purpose switching application.

ORDERING INFORMATION

Type No.	Marking	Package Code
BAV99W	KGJ	SOT-323

MAXIMUM RATING @ Ta=25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Non repetitive peak reverse voltage	V_{RM}	100	V
Repetitive peak reverse voltage	V_{RRM}	75	V
Working peak reverse voltage	V_{RWM}		
DC Reverse voltage	V_R		
Peak forward surge current @t=1.0s @t=1.0μs	I_{FSM}	1.0 2.0	A
Forward continuous current	I_{FM}	300	mA
Average rectified output current	I_O	150	mA
Power dissipation	P_d	200	mW
Operating and storage temperature range	T_j, T_{STG}	-65-150	°C

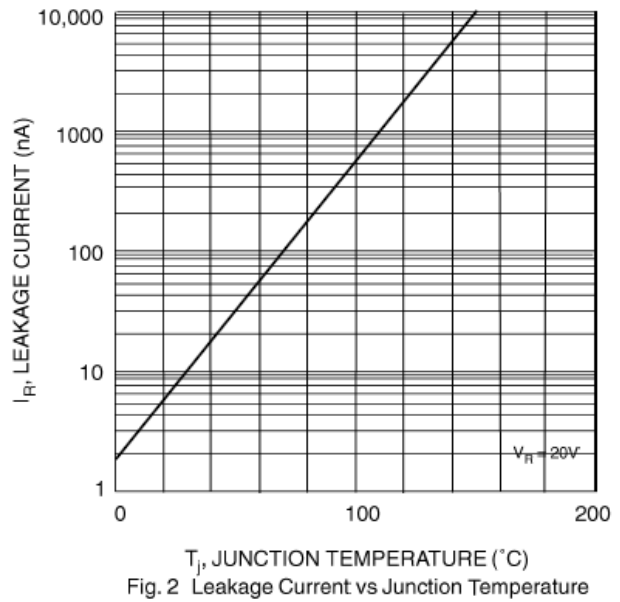
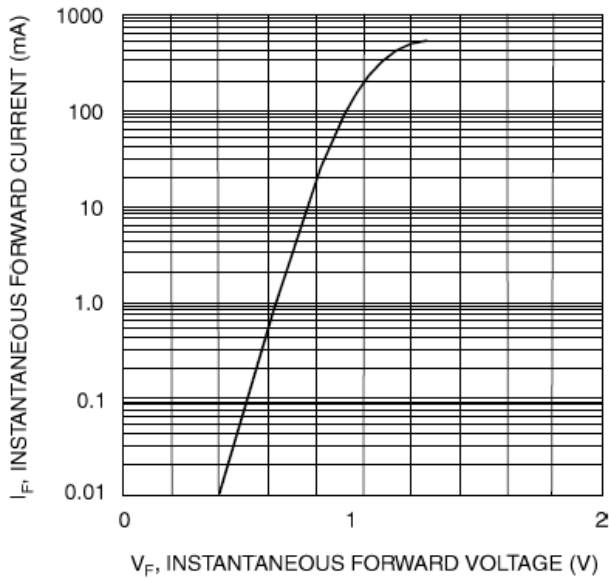
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ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse voltage leakage current	I_R	$V_R=75V$ $V_R=20V$		2.5 25	A nA
Forward voltage	V_F	$I_F=1mA$ $I_F=10mA$ $I_F=50mA$ $I_F=150mA$		715 855 1000 1250	mV
Junction capacitance	C_j	$V_R=0V$ $f=1MHz$		2.0	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10mA$ $V_R=5V$ $R_C=100\Omega$		4	nS

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



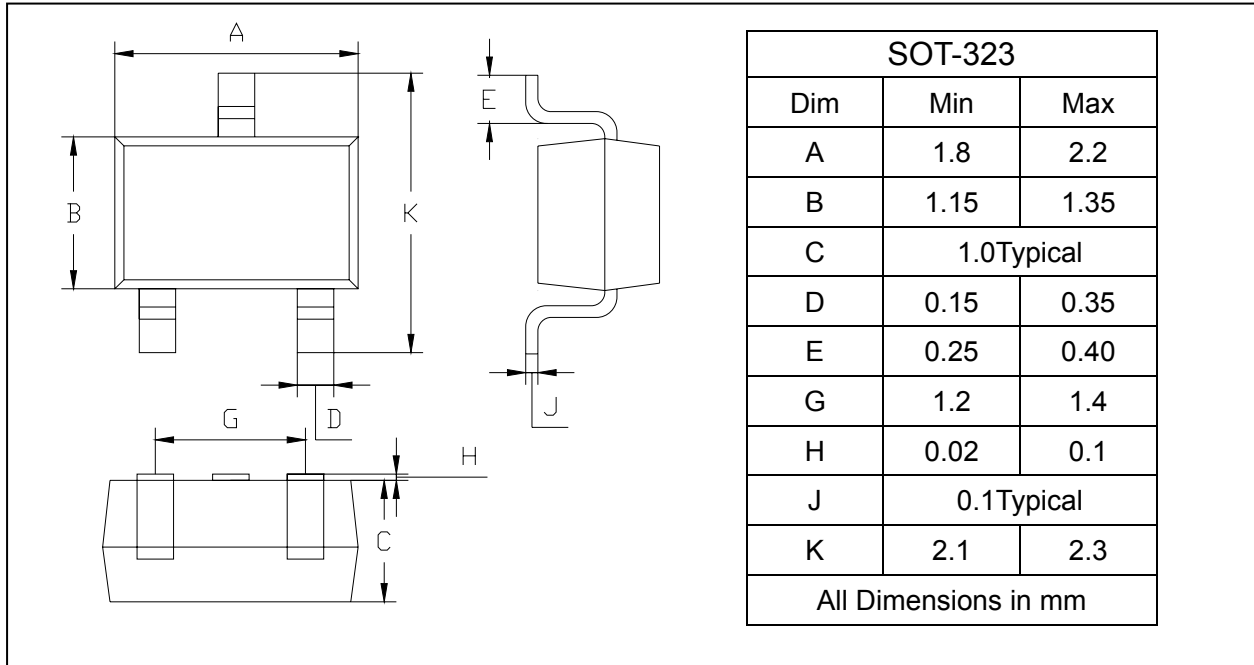
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PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



PACKAGE INFORMATION

Device	Package	Shipping
BAV99W	SOT-323	3000/Tape&Reel