

BAV21W

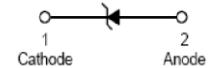
BAV21W Fast Switching Diode

General description

Small Outline Flat Lead Plastic Package
High Voltage & High Conductance Fast Switching Diode

FEATURES

- Fast Switching Diode
- General Purpose Diodes High Voltage Application Diodes
- Flat Lead SOD-123 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode



Absolute Maximum Ratings

TA = 25°C unless otherwise noted

These ratings are limiting values above which the serviceability of the diode may be impaired.

Symbol	Parameter	Value	Units
P _D	Power Dissipation	400	mW
T _{STG}	Storage Temperature Range	-65 to +150	°C
T _J	Operating Junction Temperature	+150	°C
V _{RRM}	Repetitive Peak Reverse Voltage	250	V
I _{F(AV)}	Average Rectified Forward Current	200	mA

SOD-123

DEVICE MARKING CODE:

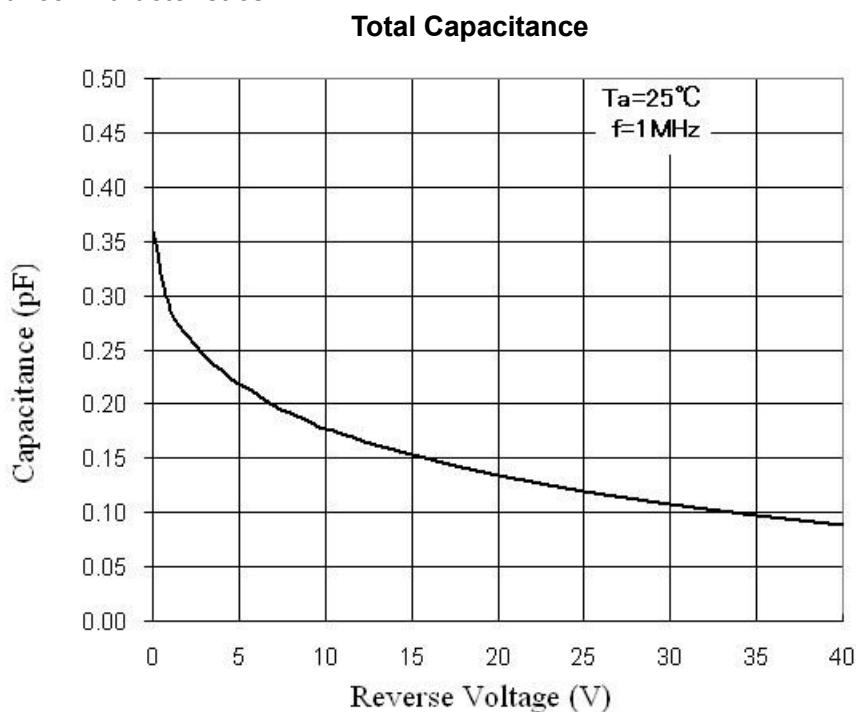
Device Type	Device Marking
BAV21W	H3 or T3

Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified).

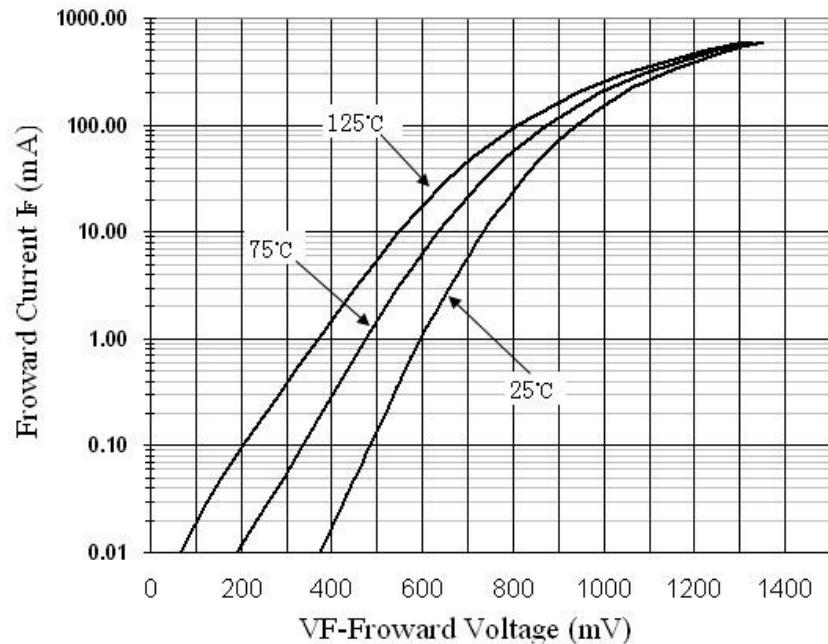
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B _V	Breakdown Voltage	I _R =100μA	250		Volts
I _R	Reverse Leakage Current	V _R =200V	---	100	nA
V _F	Forward Voltage	I _F =100mA	---	1.0	Volts
		I _F =200mA	---	1.25	Volts
T _{RR}	Reverse Recovery Time	I _F =I _R =30mA	---	50	nS
		R _L =100Ω			
C	Capacitance	I _{RR} =3mA			
		V _R =0V, f=1MHz	---	5.0	pF

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Typical Performance Characteristics

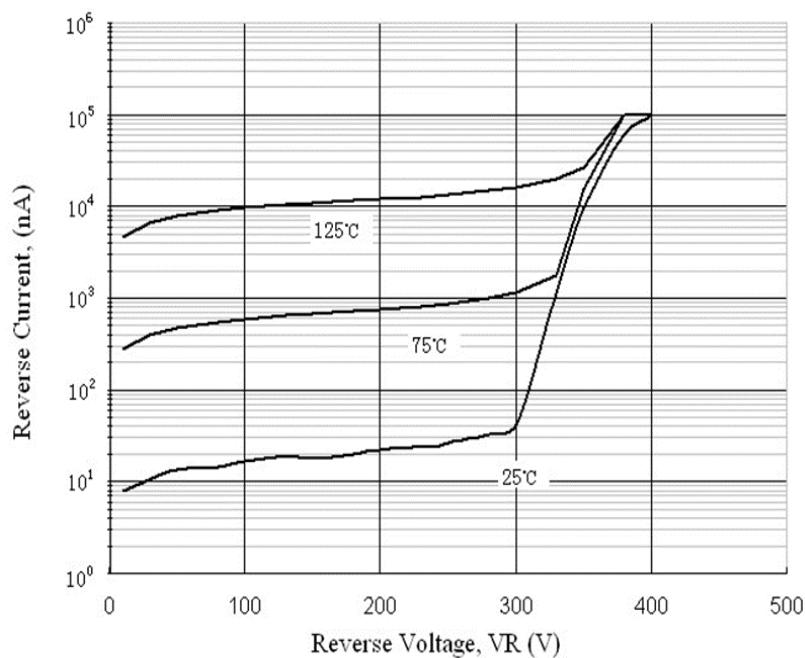


Forward Voltage vs Ambient Temperature

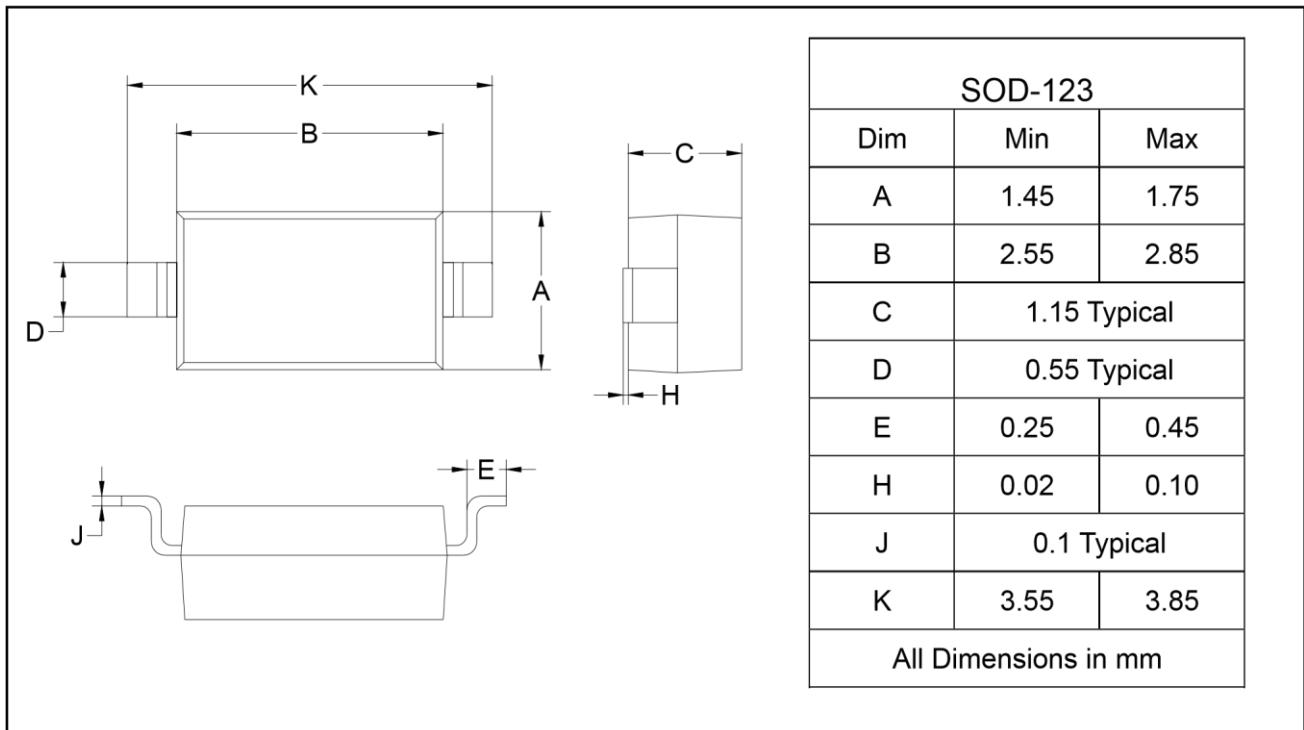


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Reverse Current vs Reverse Voltage Reverse



SOD-123 Package Outline



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