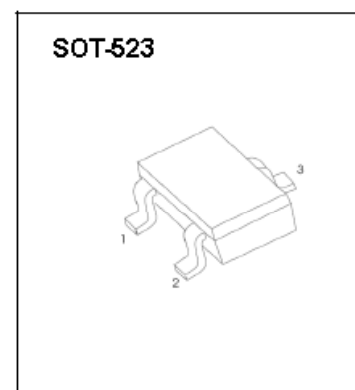
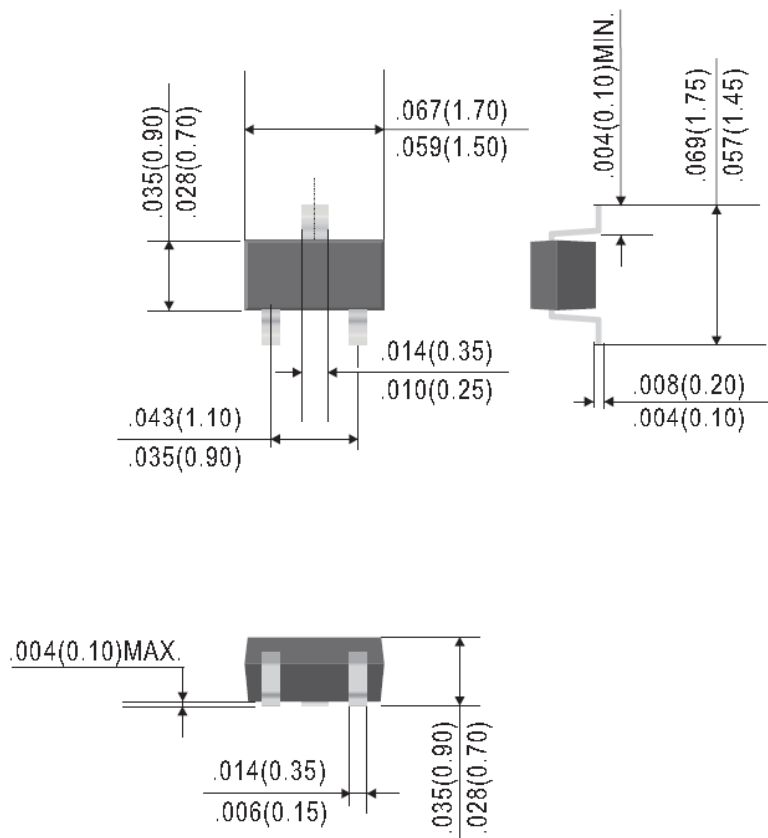


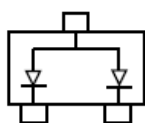


Dimensions in inches and (millimeters)

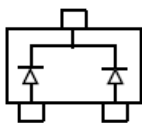
FEATURES

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance
- Pb-Free package is available
- RoHS product for packing code suffix "G"
- Halogen free product for packing code suffix "H"
- Moisture Sensitivity Level 1

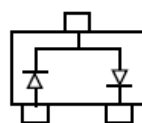
MARKING:



BAW56T Marking: JD



BAV70T Marking: JJ



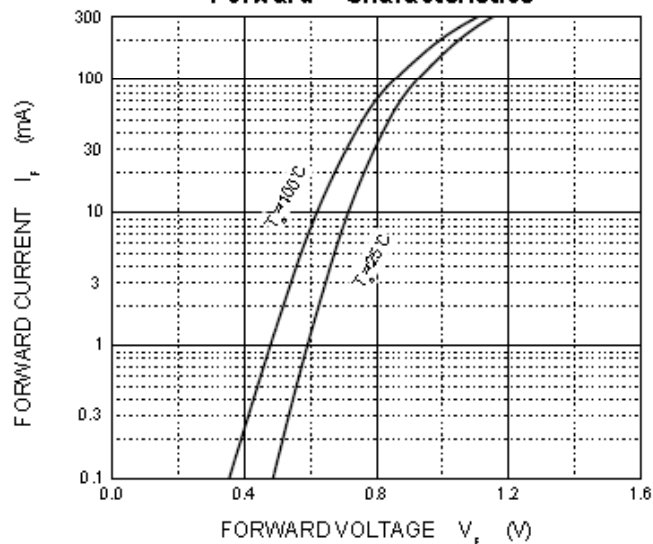
BAV99T Marking: JE

Maximum Ratings ($T_a=25^{\circ}\text{C}$ unless otherwise noted)			
Parameter	Symbol	Limit	Unit
Reverse Voltage	V_R	85	V
Forward Current	I_F	75	mA
Power Dissipation	P_D	150	mW
Junction Temperature	T_J	150	$^{\circ}\text{C}$
Operating/ Storage Temperature	T_{STG}	-55~+150	$^{\circ}\text{C}$

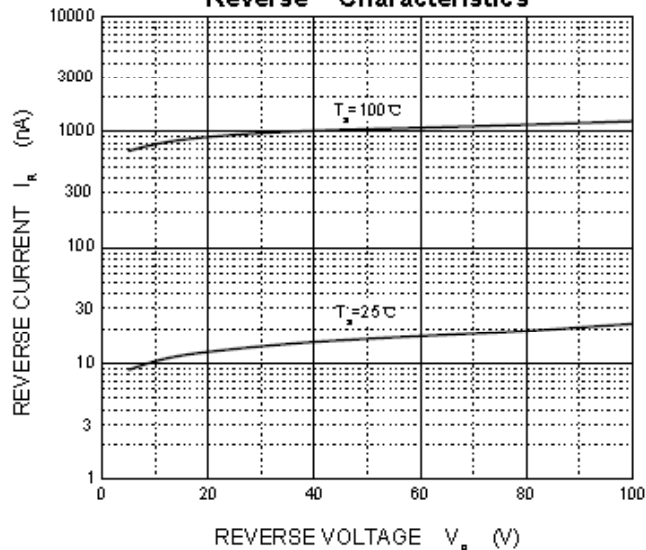
Electrical Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise noted)						
Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Reverse Breakdown Voltage	V_R	$I_R=1\mu\text{A}$	85	—	—	V
Reverse Voltage Leakage Current	I_{R1}	$V_R=75\text{V}$	—	—	2	μA
	I_{R2}	$V_R=25\text{V}$	—	—	30	nA
Forward Voltage	V_{F1}	$I_F=1\text{mA}$	—	—	0.715	V
	V_{F2}	$I_F=10\text{mA}$	—	—	0.855	
	V_{F3}	$I_F=50\text{mA}$	—	—	1	
	V_{F4}	$I_F=150\text{mA}$	—	—	1.25	
Total Capacitance	C_T	$V_R=0\text{V}$, $f=1\text{MHz}$	—	—	1.5	pF
Reverse Recovery Time	t_{rr}	$I_F=I_R=10\text{mA}$ $I_{rr}=0.1I_R$, $R_L=100\Omega$	—	—	4	ns

Typical Characteristics

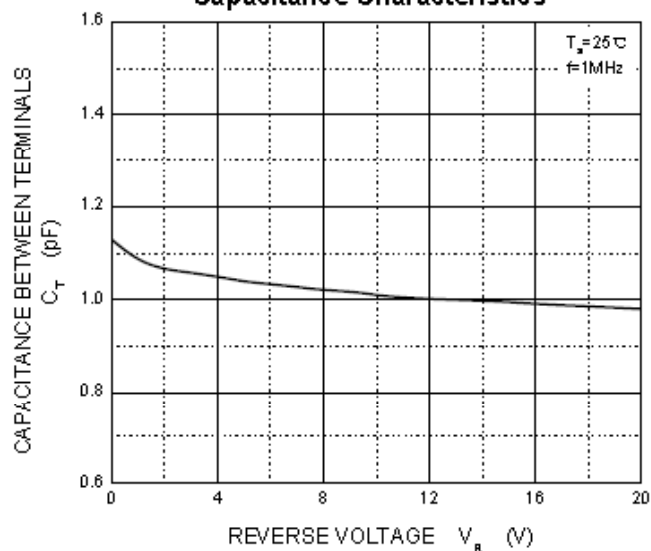
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve

