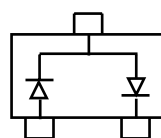
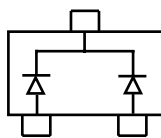
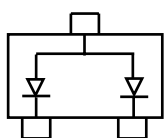
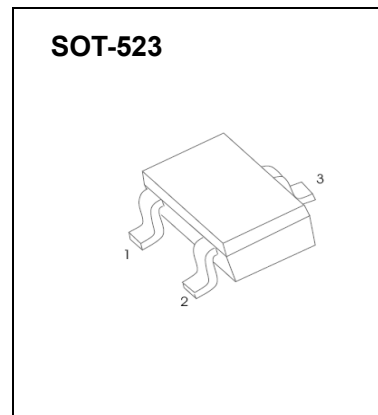


SWITCHING DIODE FEATURES

- 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**



BAW56T Marking: JD

BAV70T Marking: JJ

BAV99T Marking: JE

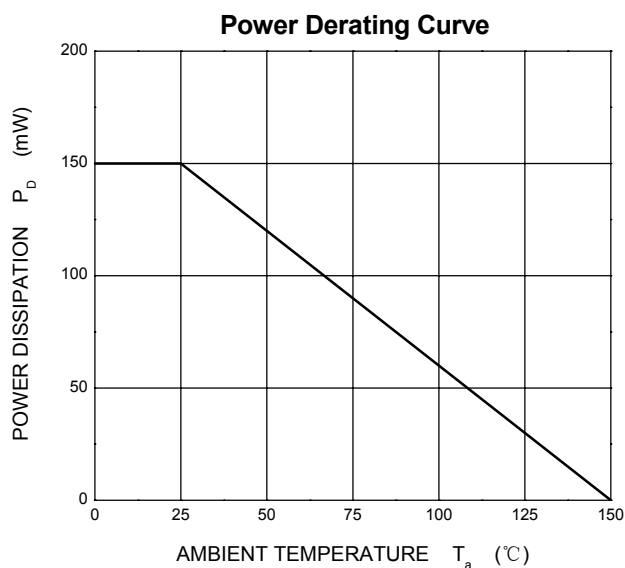
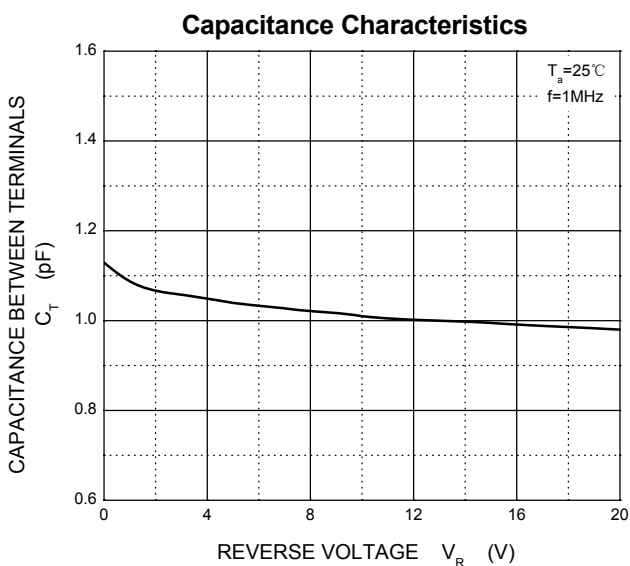
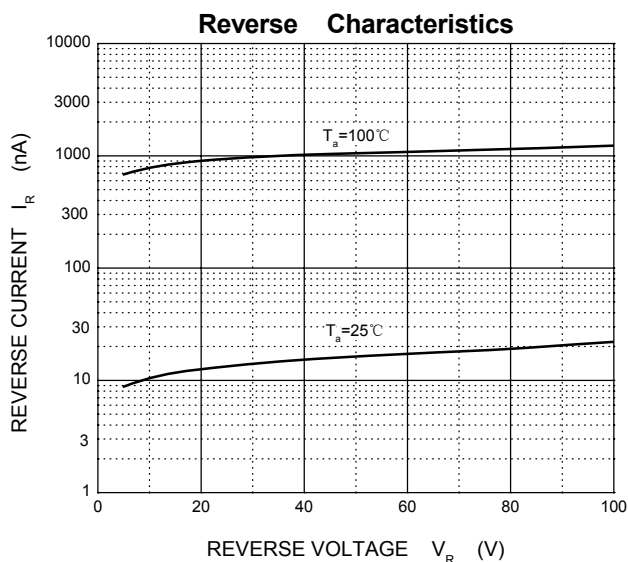
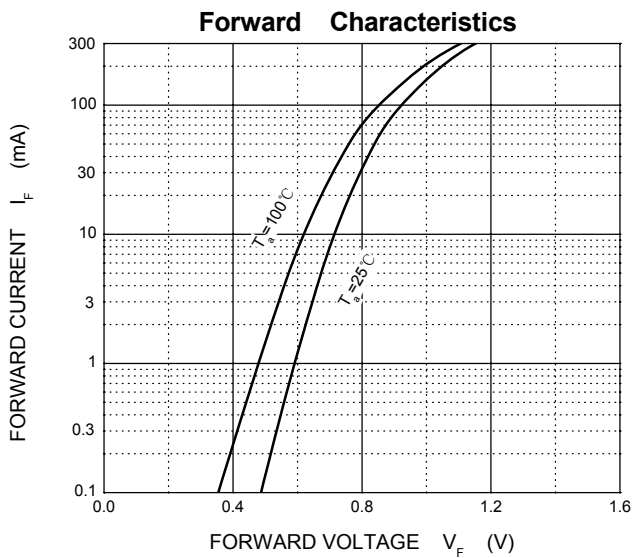
Maximum Ratings @Ta=25°C

Parameter	Symbol	Limit	Unit
Reverse voltage	V_R	85	V
Forward current	I_o	75	mA
Forward power dissipation	P_D	150	mW
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55~+150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 1\mu A$	85		V
Reverse voltage leakage current	I_{R1}	$V_R = 75V$		2	μA
	I_{R2}	$V_R = 25V$		0.03	μA
Forward voltage	V_F	$I_F = 1mA$ $I_F = 10mA$ $I_F = 50mA$ $I_F = 150mA$		715 855 1000 1250	mV
Diode capacitance	C_D	$V_R = 0$ $f = 1MHz$		1.5	pF
Reverse recovery time	t_{rr}	$I_F = I_R = 10mA$ $I_{tr} = 0.1 \times I_R, R_L = 100\Omega$		4	ns

Typical Characteristics





WILLAS

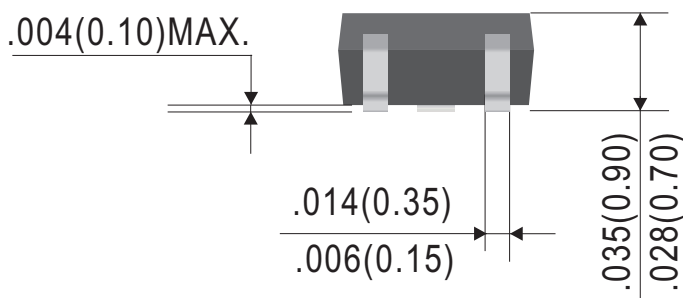
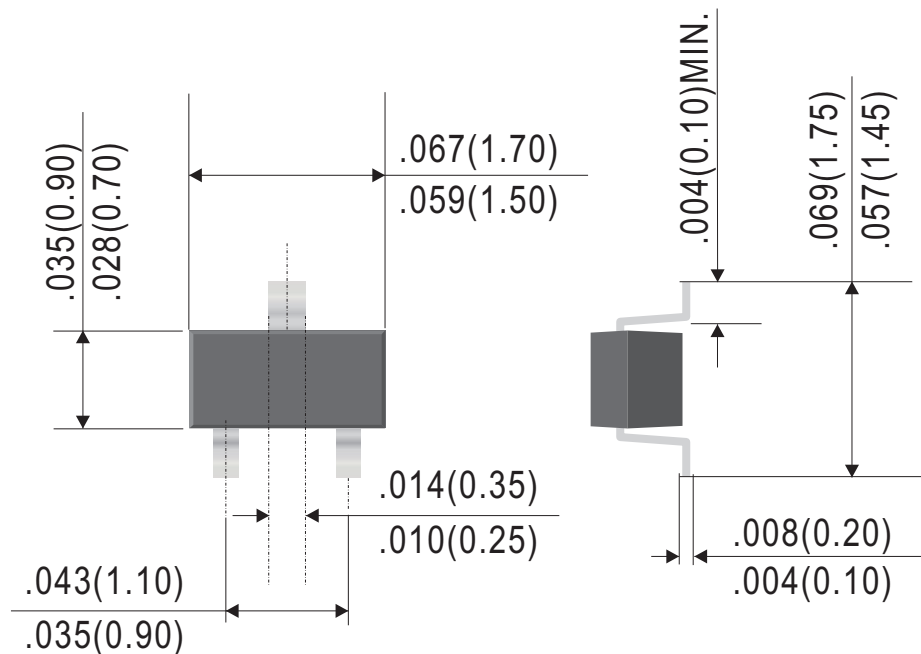


SOT-523 Plastic-Encapsulate Diodes

BAV70T
BAV99T
BAW56T

Outline Drawing

SOT-523



Dimensions in inches and (millimeters)

Rev.D