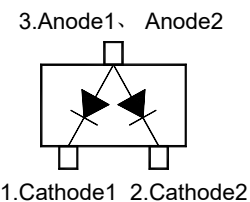


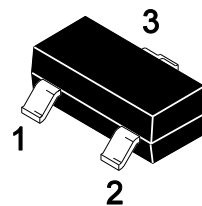
Features

- Low forward voltage
- Fast reverse recovery time
- Small total capacitance

Equivalent Circuit



SOT-23



1.Cathode1 2.Cathode2
3.Anode1、 Anode2

Marking Code : AW1

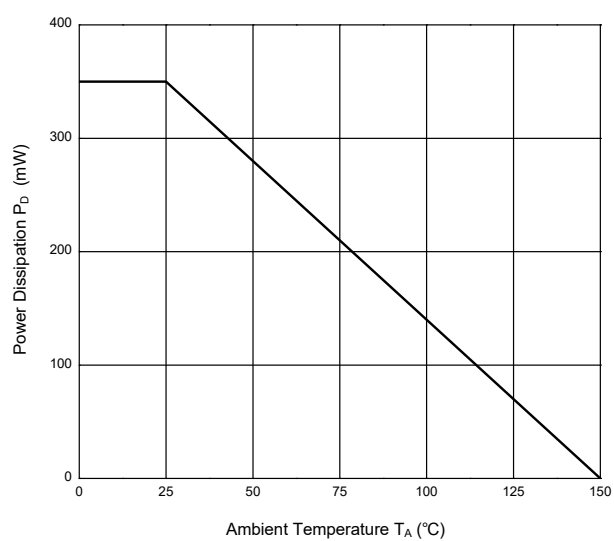
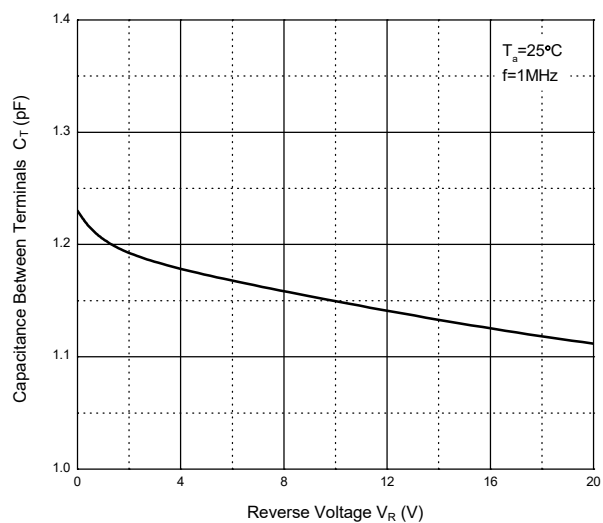
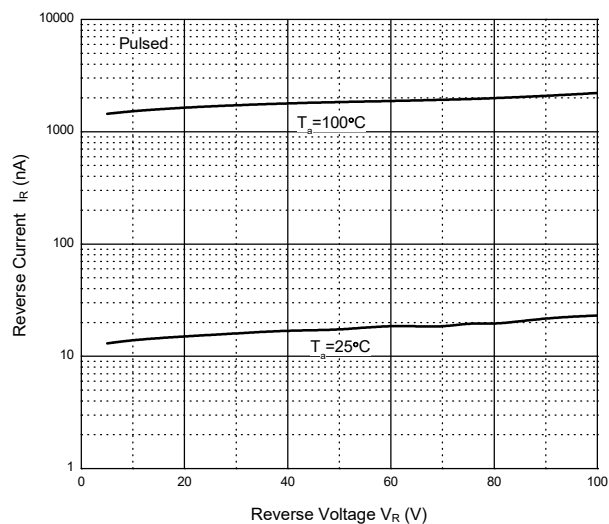
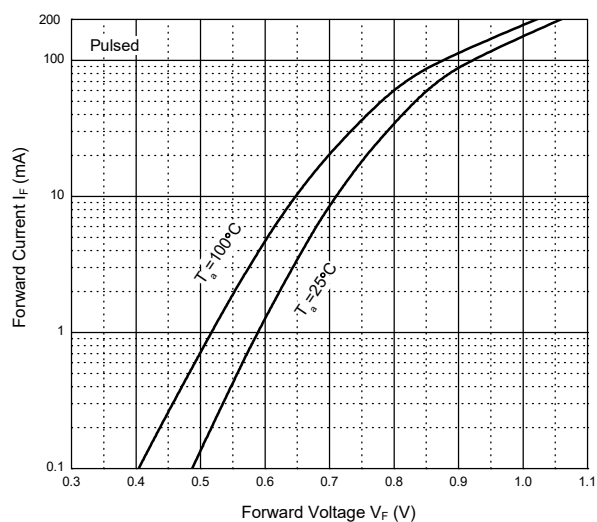
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	70	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	2	A
Maximum Power Dissipation	P_D	225	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ\text{C}$

Electrical Characteristics ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 1 \text{ mA}$ at $I_F = 10 \text{ mA}$ at $I_F = 50 \text{ mA}$ at $I_F = 150 \text{ mA}$	V_F	-- -- -- --	0.715 0.855 1 1.25	V
Reverse Breakdown Voltage at $I_R = 100 \mu\text{A}$	$V_{(BR)R}$	70	--	V
Reverse Current at $V_R = 70 \text{ V}$	I_R	--	2.5	μA
Typical Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	--	1.5	pF
Maximum Reverse Recovery Time at $I_F = I_R = 10 \text{ mA}$, $I_{RR} = 0.1 \times I_R$, $R_L = 100 \Omega$	T_{rr}	--	6	nS

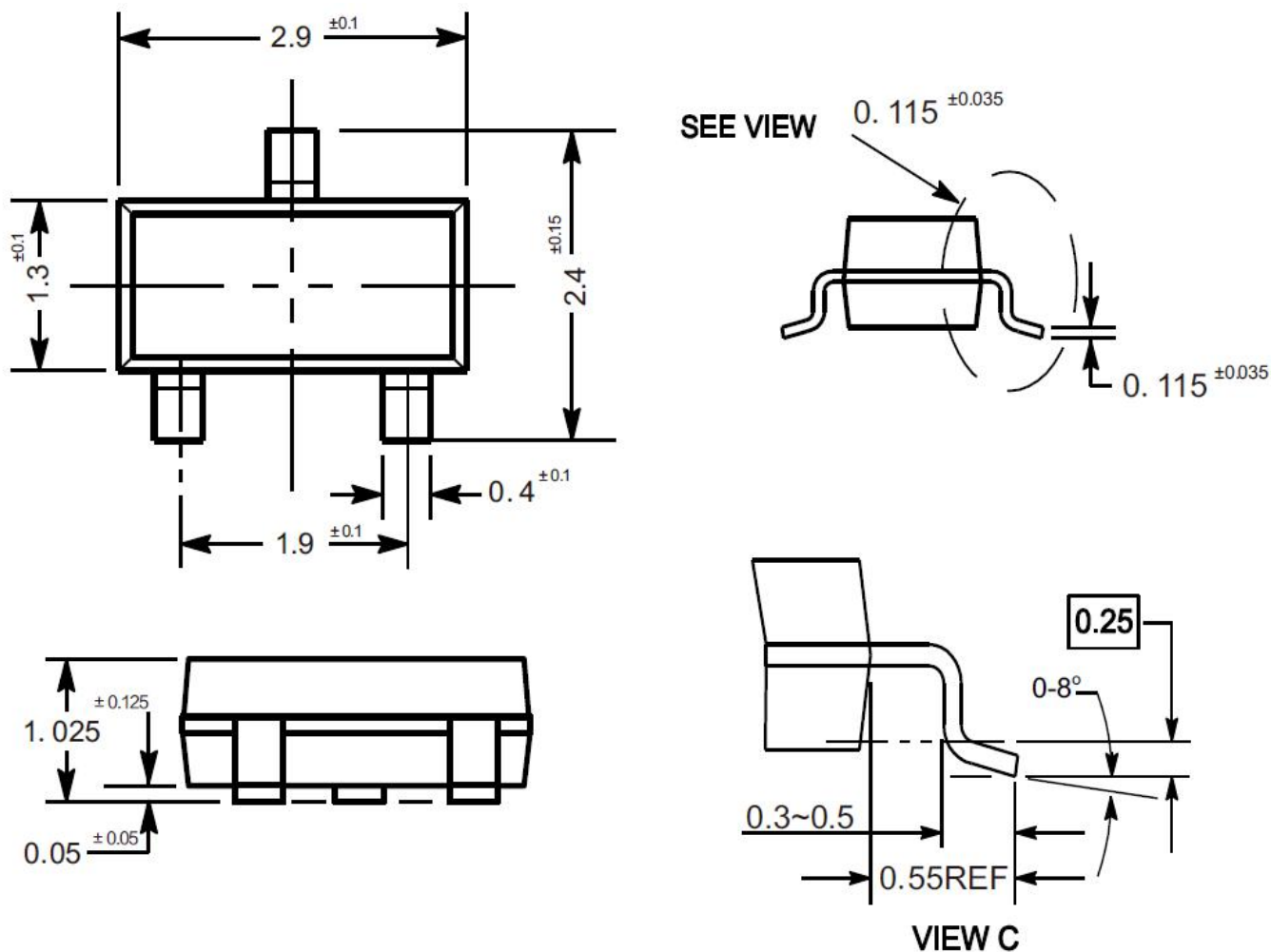
Typical Characteristic Curves



Package Outline

SOT-23

Dimensions in mm



Ordering Information

Device	Package	Shipping
BAW56	SOT-23	3,000PCS/Reel&7inches