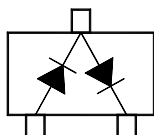


Features

- Glass Passivated Chip Junction
- Low Leakage Current

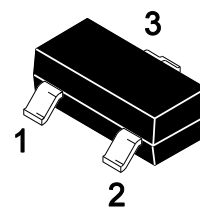
Equivalent Circuit

3.Cathode1、 Anode2



1.Anode1 2.Cathode2

SOT-23



1.Anode1 2.Cathode2
3.Cathode1、 Anode2

Marking Code : AJ

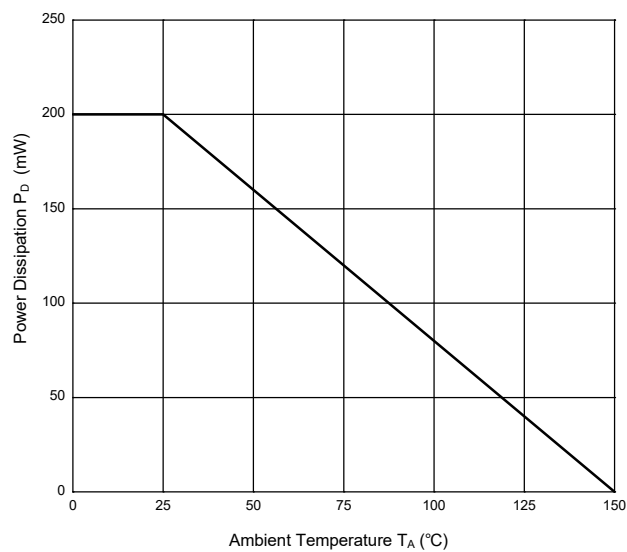
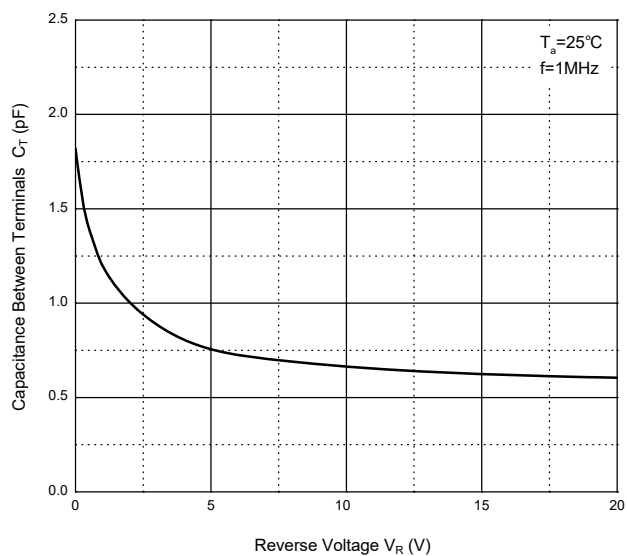
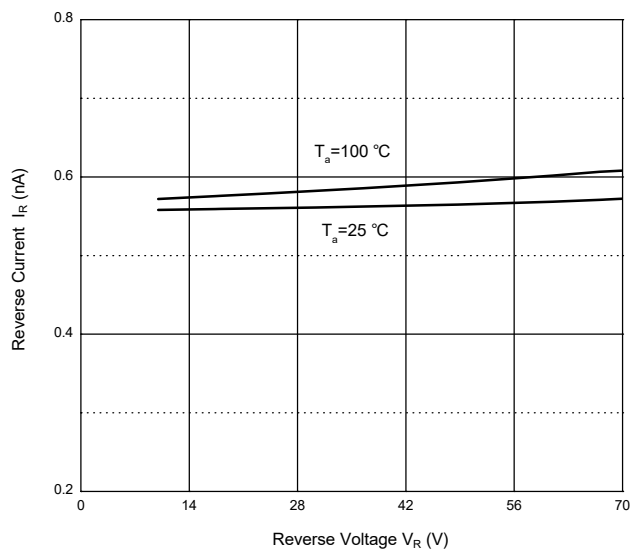
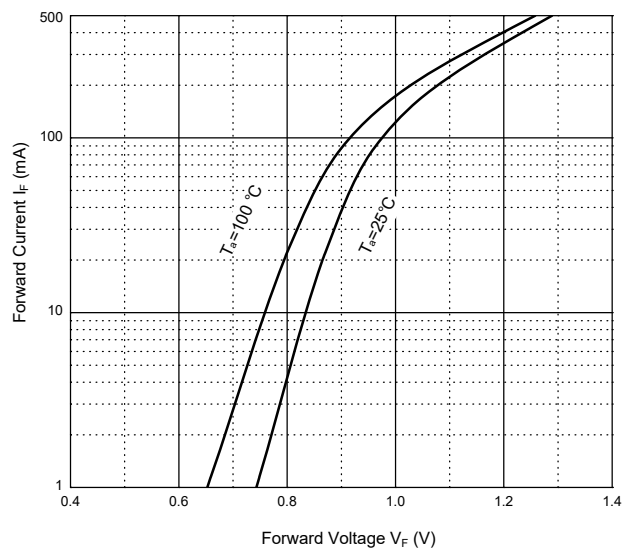
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	70	V
Continuous Reverse Voltage	V_R	70	V
Continuous Forward Current (Double Diode Load)	I_F	215	mA
Maximum Peak Forward Current	I_{FM}	500	mA
Non-Repetitive Peak Forward Surge Current at $t=8.3\text{ms}$	I_{FSM}	1	A
Maximum Power Dissipation	P_D	200	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-50 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Min.	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	-- -- -- --	0.9 1 1.1 1.25	V
Reverse Current at $V_R = 70\text{ V}$	I_R	--	5	nA
Typical Junction Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$	C_j	--	2	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}	--	3	μs

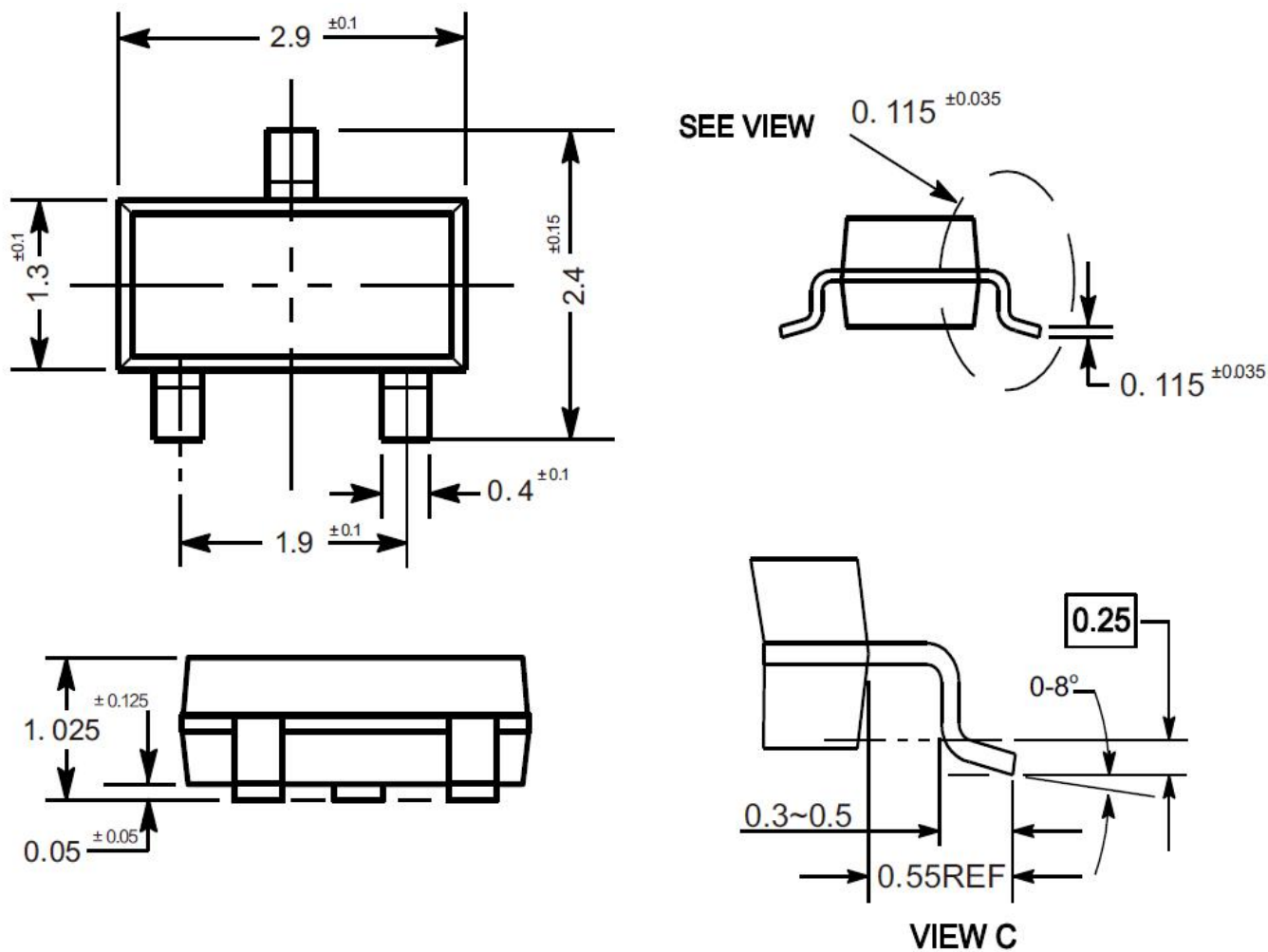
Typical Characteristic Curves



Package Outline

SOT-23

Dimensions in mm



Ordering Information

Device	Package	Shipping
BAV199	SOT-23	3,000PCS/Reel&7inches