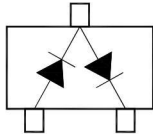


Features

- For surface mount applications
- Fast reverse recovery time
- Ideal for automated placement

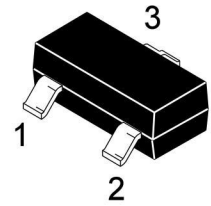
Equivalent Circuit

3.Cathode1、 Anode2



1.Anode1 2.Cathode2

SOT-23



1.Anode1 2.Cathode2
3.Cathode1、 Anode2

Marking Code : A7

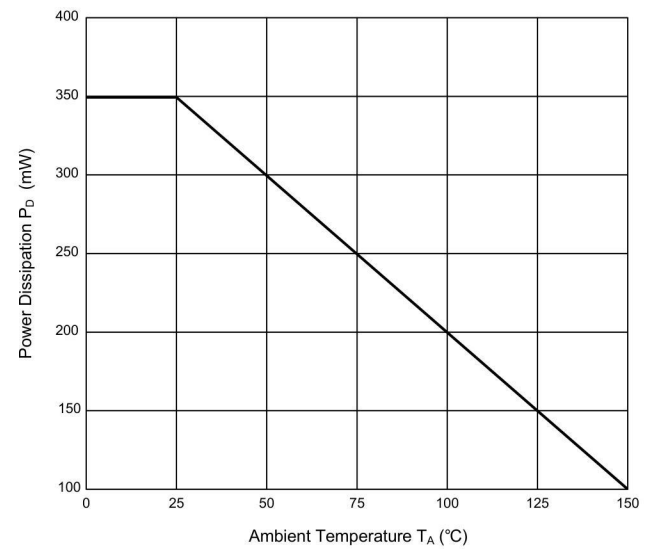
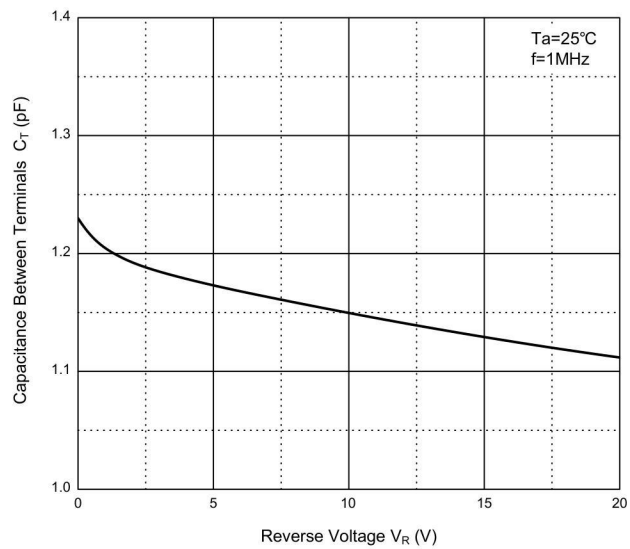
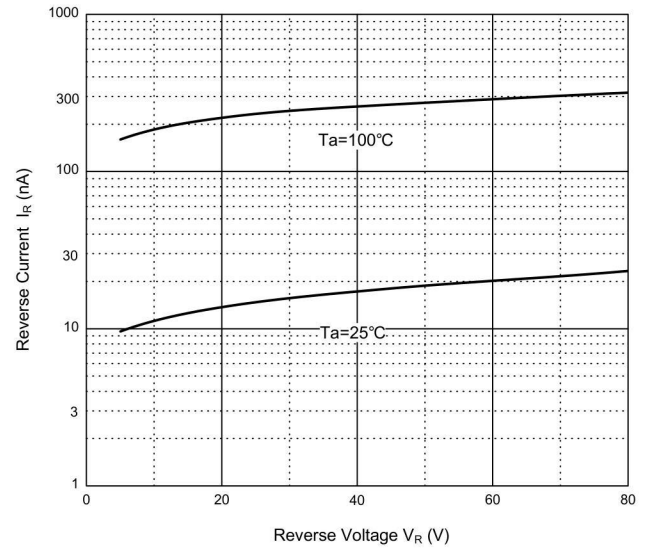
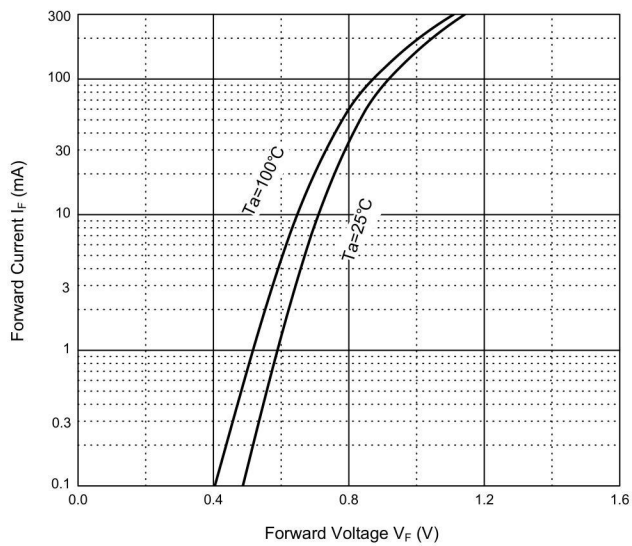
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	85	V
Reverse Voltage	V_R	75	V
Average Rectified Forward Current (Double Diode Load)	$I_{F(AV)}$	200	mA
Non-Repetitive Peak Forward Surge Current	I_{FSM}	0.5	A
at $t=1$ s		1	
at $t=1$ ms		4.5	
at $t=1$ μs			
Maximum Power Dissipation	P_D	350	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-65 to +150	$^\circ\text{C}$

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

Parameter	Symbol	Max.	Unit
Forward Voltage	V_F		V
at $I_F = 1$ mA		0.715	
at $I_F = 10$ mA		0.855	
at $I_F = 50$ mA		1	
at $I_F = 150$ mA		1.25	
Reverse Current	I_R		μA
at $V_R = 25$ V		0.03	
at $V_R = 75$ V		1	
at $V_R = 25$ V, $T_J = 150$ $^\circ\text{C}$		30	
at $V_R = 75$ V, $T_J = 150$ $^\circ\text{C}$		50	
Typical Junction Capacitance	C_j		pF
at $V_R = 4$ V, $f = 1$ MHz		1.5	
Maximum Reverse Recovery Time	T_{rr}	4	nS

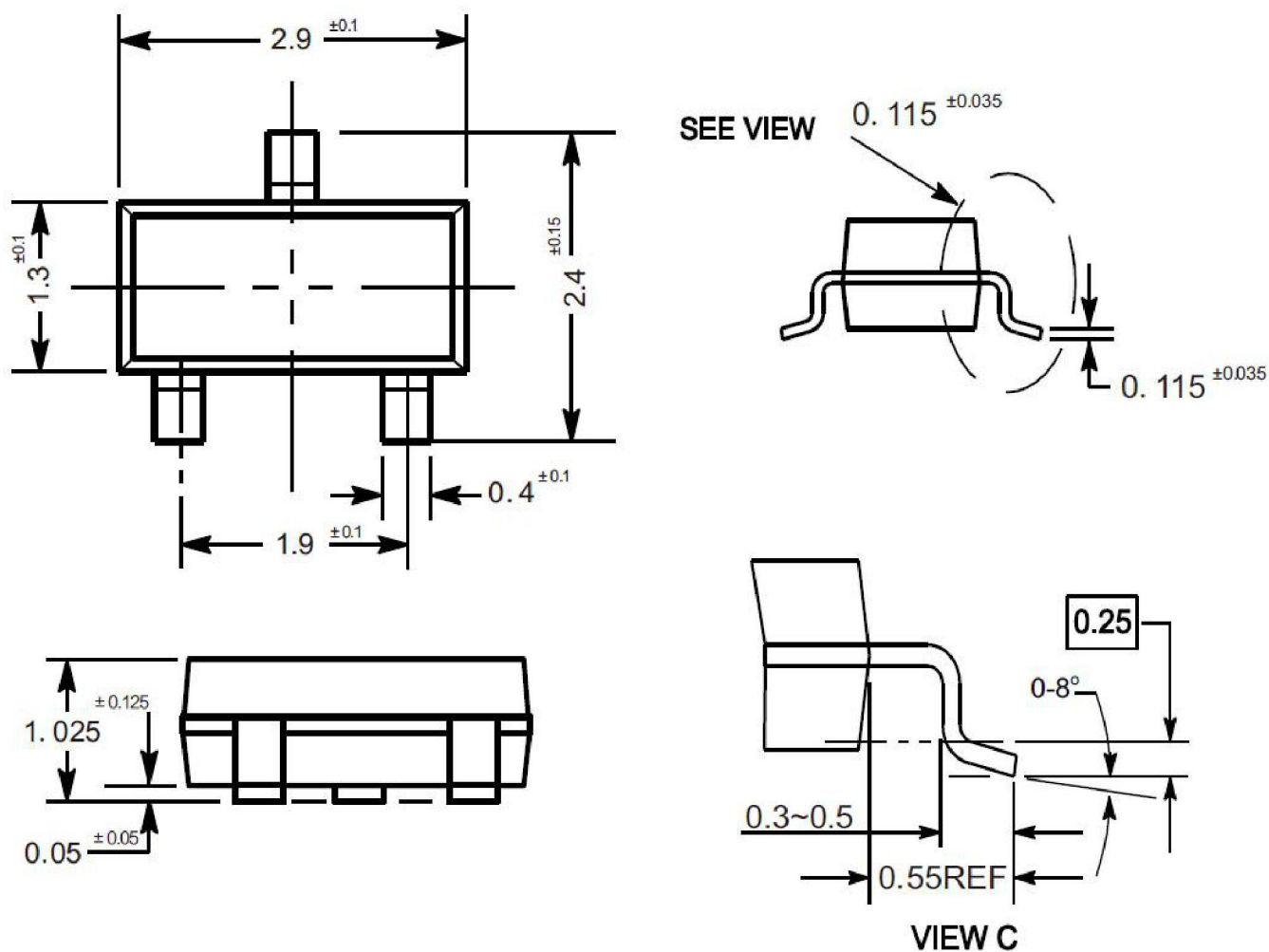
Typical Characteristic Curves



Package Outline

SOT-23

Dimensions in mm



Ordering Information

Device	Package	Shipping
BAV99	SOT-23	3,000PCS/Reel&7inches