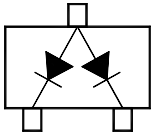


Features

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

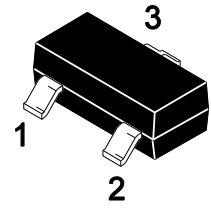
Equivalent Circuit

3.Anode1、 Anode2



1.Cathode1 2.Cathode2

SOT-23



1.Cathode1 2.Cathode2
3.Anode1、 Anode2

Marking Code : A1

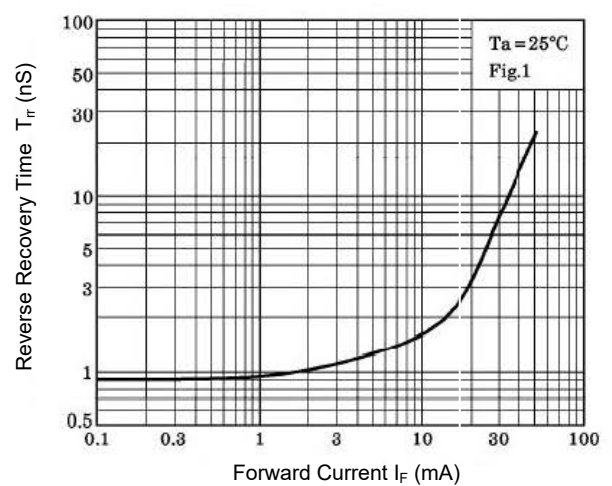
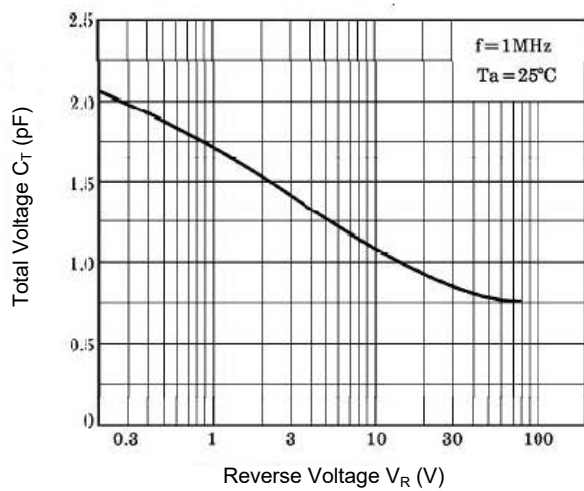
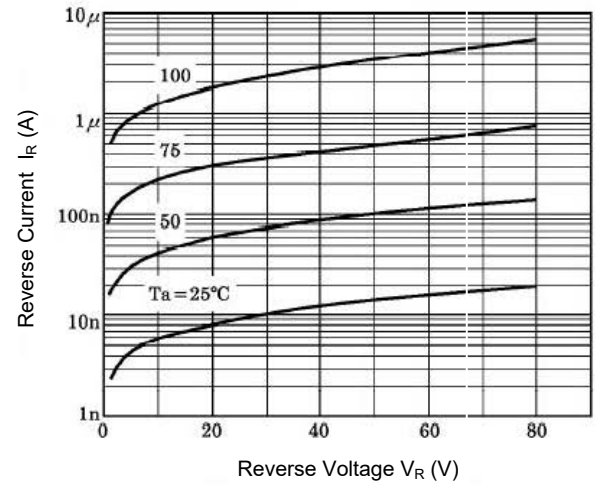
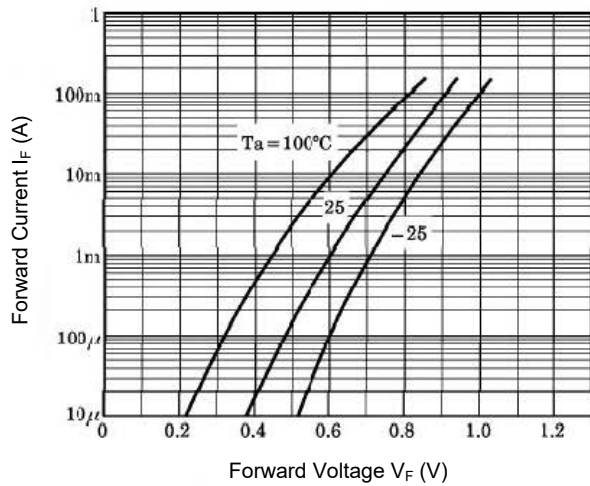
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Maximum Repetitive Reverse Voltage	V_{RRM}	85	V
Reverse Voltage	V_R	80	V
Average Rectified Forward Current	$I_{F(AV)}$	100	mA
Maximum Peak Forward Current	I_{FM}	300	mA
Non-Repetitive Peak Forward Surge Current (10 ms)	I_{FSM}	2	A
Maximum Power Dissipation	P_D	350	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	Max.	Unit
Forward Voltage at $I_F = 100\text{ mA}$	V_F	1.2	V
Reverse Current at $V_R = 30\text{ V}$ at $V_R = 80\text{ V}$	I_R	0.1 0.5	μA
Typical Junction Capacitance at $V_R = 0\text{ V}$, $f = 1\text{ MHz}$	C_j	4	pF
Maximum Reverse Recovery Time at $I_F = 10\text{ mA}$	T_{rr}	4	nS

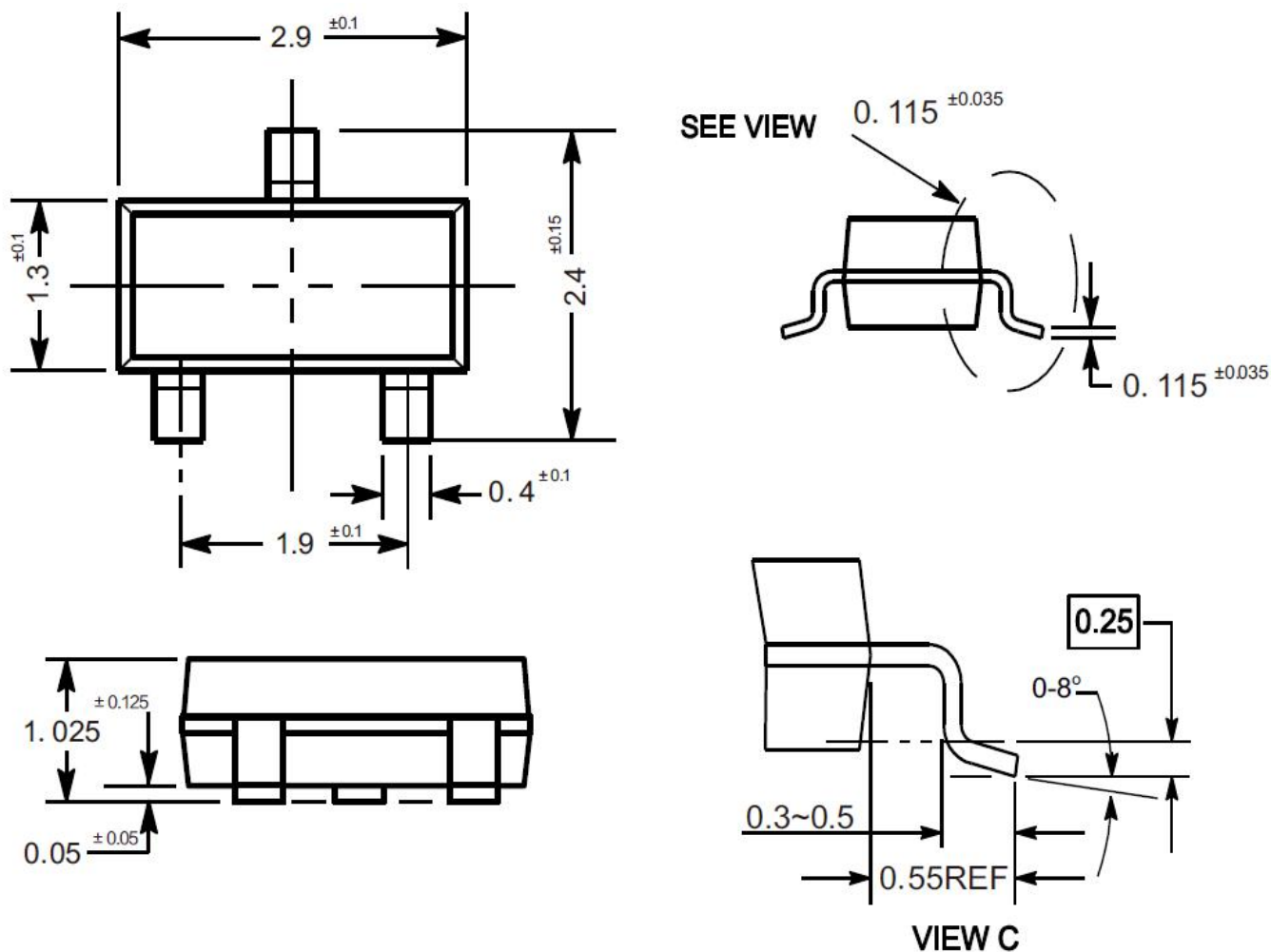
Typical Characteristic Curves



Package Outline

SOT-23

Dimensions in mm



Ordering Information

Device	Package	Shipping
1SS181	SOT-23	3,000PCS/Reel&7inches