Pinning

1.Cathode	2.Anode



SOD-123

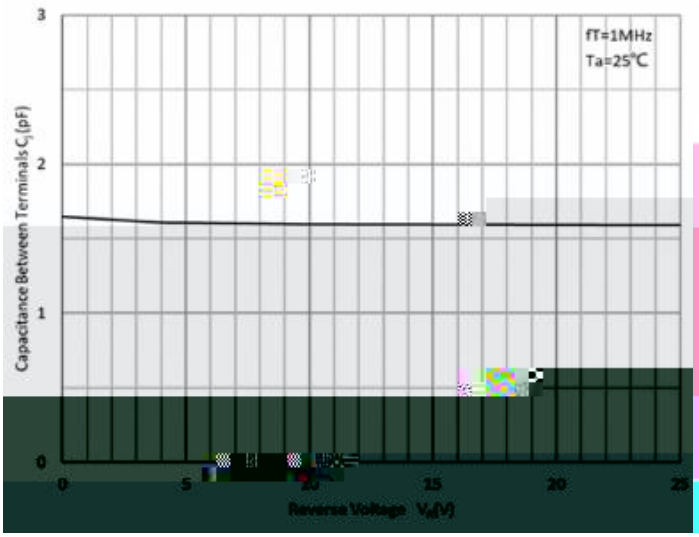
Marking Code	

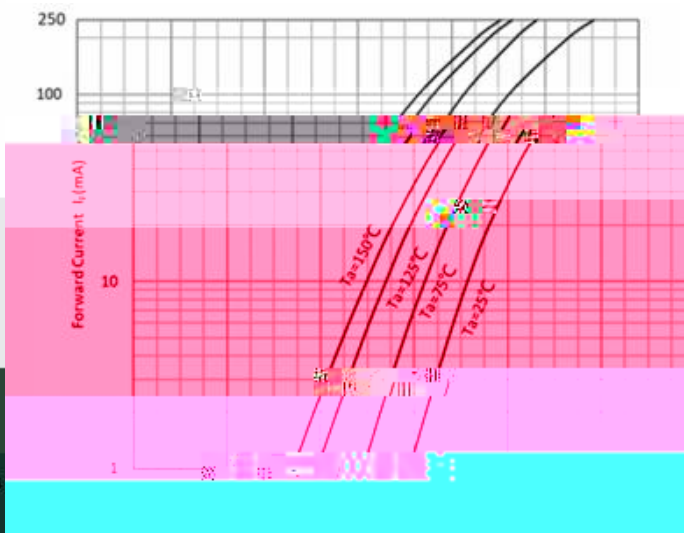
- Case:SOD-123
- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- High temperature soldering guaranteed 260°C/10seconds at terminals

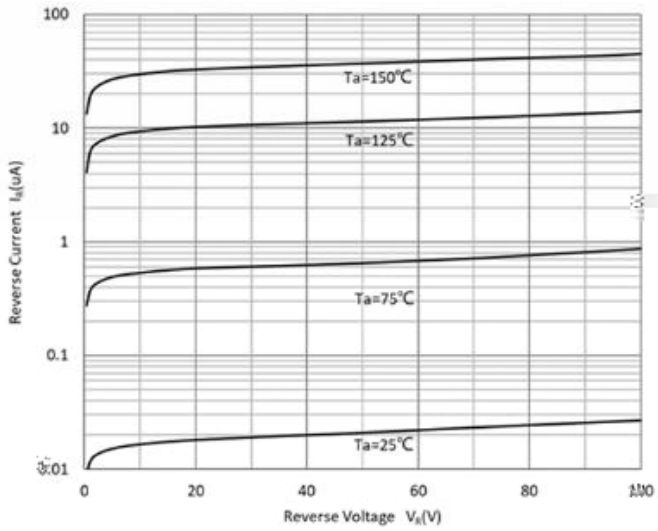
- Extreme fast switches
- Automotive

Repetitive peak reverse voltage		100	
Average forward current		200	
Peak forward surge current(tp=1us)		2	
Power dissipation		500	
Thermal Resistance Junction to Ambient Air		250	
Junction temperature		-55~150	
Storage temperature range		-55~150	

Forward Voltage	I_F=5mA				0.72	
	I_F=10mA			0.72	0.855	
	I_F=100mA			0.93	1.00	
	I_F=150mA				1.25	
Reverse Current	V_R=20V				0.025	
	V_R=75V				2.5	
Breakdown Voltage	I_R=100μA		100			
	I_R=5μA		75			
Diode Capacitance	V_R=V_F=0V, f =1MHZ				4	
Reverse Recovery Time	I_F=10mA,I_{rr}=0.1I_R,R_L=100Ω				4	


fT=1MHz
Ta=25℃
Capacitance Between Terminals C_j(pF)
Reverse Voltage V_R(V)
3
2
1
0
0
5
10
15
20
25


250
100
10
1
Forward Current I_F(mA)
Ta=150℃
Ta=125℃
Ta=75℃
Ta=25℃


100
10
1
0.1
0.01
Reverse Current I_R(uA)
Ta=150℃
Ta=125℃
Ta=75℃
Ta=25℃
0
20
40
60
80
100
Reverse Voltage V_R(V)

Ordering information

Package	Packing Description	Packing Quantity
SOD-123	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

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