Pinning

1.Cathode	2.Anode



SOD-123

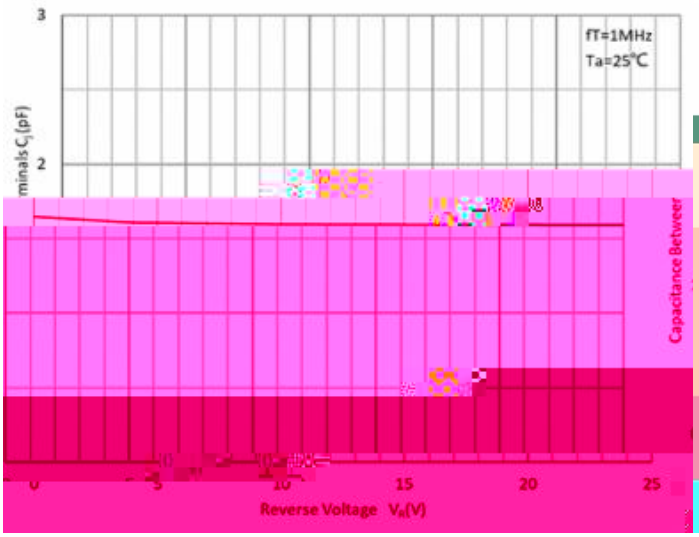
Marking Code	

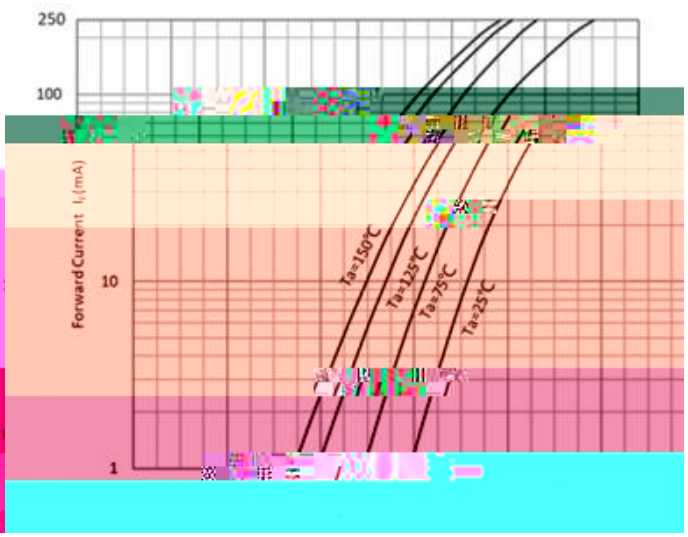
- Case:SOD-123
- Epoxy meets UL-94 V-0 flammability rating and halogen free
- Moisture Sensitivity Level 1
- High temperature soldering guaranteed 260°C/10seconds at terminals

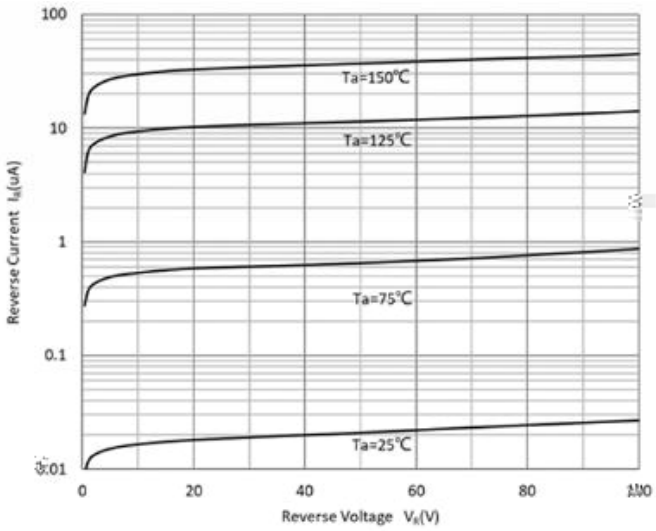
- Extreme fast switches
- Automotive

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
Reverse Voltage VR(V)


Forward Current IF(mA)
Ta=150℃
Ta=125℃
Ta=75℃
Ta=25℃


Ta=150℃
Ta=125℃
Ta=75℃
Ta=25℃
Reverse Current IR(uA)
Reverse Voltage VR(V)

Ordering information

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

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices),YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website https://www.yfwdiode.com, or consult YFW sales office for further assistance.