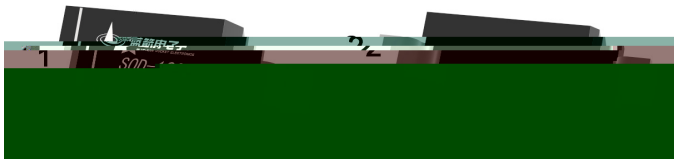
SOD-123
Schottky Diode in a SOD-123 Plastic Package.

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High Breakdown Voltage,Low Forward Voltage,HF Product.

General purpose.



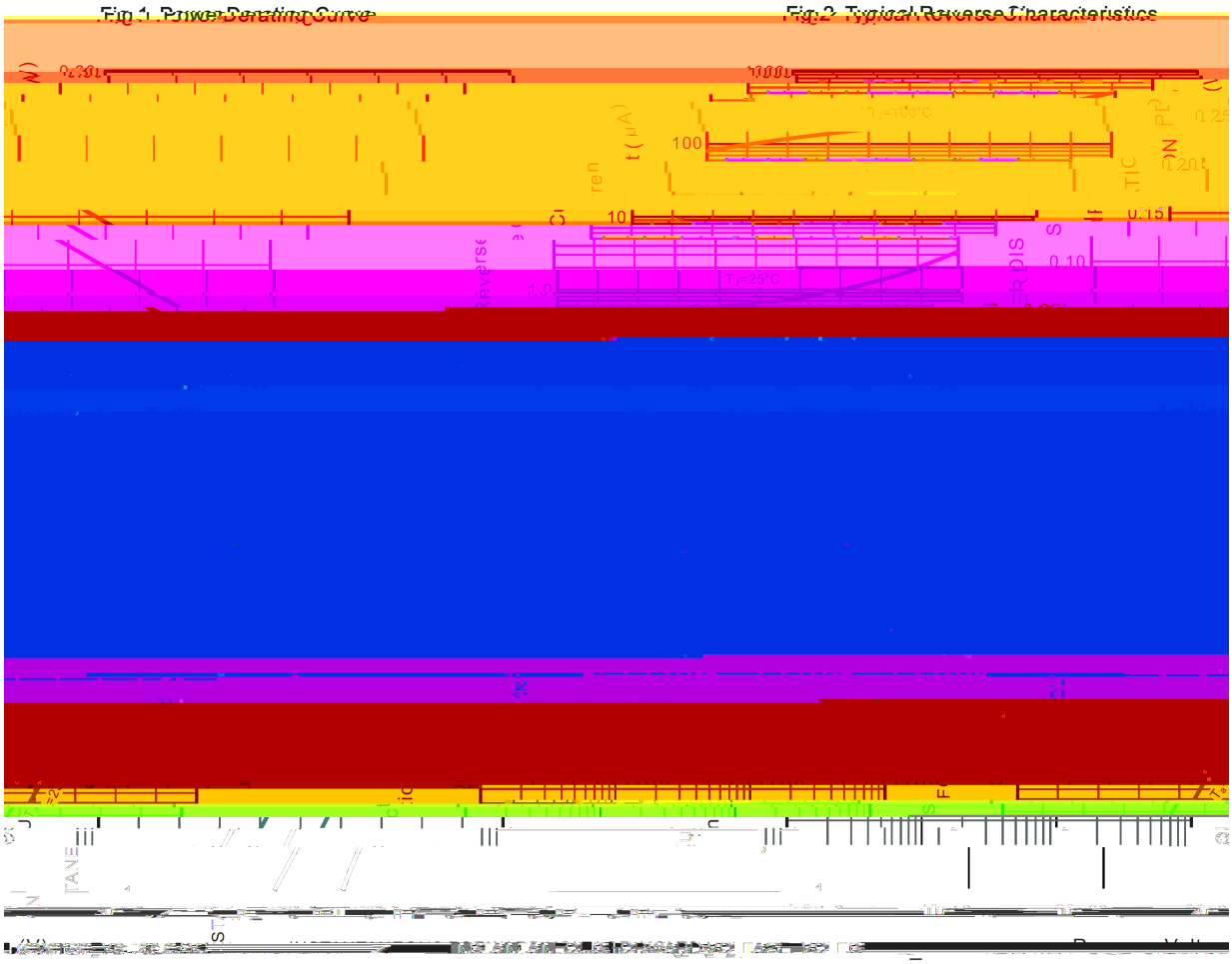
PIN1:Cathode PIN2:Anode

Parameter	Symbol	Rating	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Working peak reverse voltage	V_{RWM}	100	V
Continuous Forward Current	I_F	150	mA
Repetitive peak forward current (Note 1) @ tp < 1.0s, Duty Cycle < 50%	I_{FRM}	350	mA
Non-reptitive Peak Forward Surge Current at 8.3ms	I_{FSM}	750	mA
Power Dissipation	P_D	200	mW
Thermal resistance junction to ambient air	R_{thJA}	500	/W
Operating and Storage Temperature Range	T_J,T_{stg}	-55 ~ +150	

Parameter	Symbol	Test Conditions	Rating	Unit
Reverse BreakdownVoltage at IR=100μA(NOTE 2)	$V_{(BR)R}$	I_R=100μA	100	V
Maximum Forward Voltage (NOTE 2)	V_F	I_F=0.1mA	0.3	V
		I_F=10mA	0.45	
		I_F=250mA	1.0	
Peak Reverse Current	I_R	V_R=1.5V	0.3	μA
		V_R=10V	0.5	
		V_R=50V	1	
		V_R=75V	2	
Diodes Capacitance	C_T	V_R=0,f=1MHZ	20	pF
		V_R=1V,f=1MHZ	12	

NOTES:

/ Electrical Characteristic Curve





( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)

				Note:
1	150	180	60 90sec;	1.Preheating:150~180 , Time:60~90sec.
2	245±5		5±0.5sec;	2.Peak Temp.:245±5 , Duration:5±0.5sec.
3				