


SPECIFICATIONS

Customer	
Product Name	肖特基二极管
Oyd Part	SS14
Package	SOD-123

Approved By	Checked By	Issued By
_____	_____	

Shenzhen Ouyada Electronics Co., Ltd.

Address: Galaxy Century Building located at the southwest junction of Shennan Avenue and Caitian Road, Futian District, Shenzhen Room 2412-2413 A building

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【For Customer approval Only】 Date: _____

Qualification Status: Full Restricted Rejected

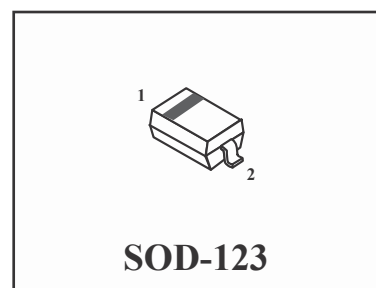
Approved By	Verified By	Re-checked By	Checked By

Comments: _____

SCHOTTKY BARRIER SWITCHING DIODE

Features

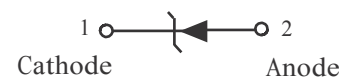
- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Negligible Reverse Recovery Time
- Low Reverse Capacitance
- Also Available in Lead Free Version



Mechanical Data

- Case: SOD-123, Plastic
- Case material - UL Flammability Rating Classification 94V-0
- Moisture sensitivity: Level 1 per J-STD-020A
- Polarity: Cathode Band
- Leads: Solderable per MIL-STD-202, Method 208
- Also Available in Lead Free Plating (Matte Tin Finish). Please See Ordering Information, Note 4, on Page 2
- Marking: Type Code only or Date Code and Type Code
- Weight: 0.01 grams (approx.)

Equivalent Circuit Diagram



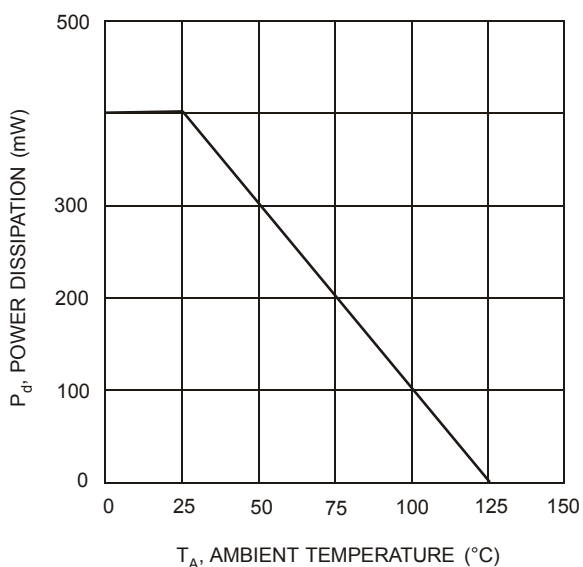
Maximum Ratings @ T_A = 25 C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	40	V
Working Peak Reverse Voltage	V _{RWM}		
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	28	V
Forward Continuous Current (Note 1)	I _{FM}	350	mA
Non-Repetitive Peak Forward Surge Current @ t = 1.0s	I _{FSM}	1.5	A
Power Dissipation (Note 1)	P _d	400	mW
Thermal Resistance, Junction to Ambient Air (Note 1)	R _{JA}	300	C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +125	C

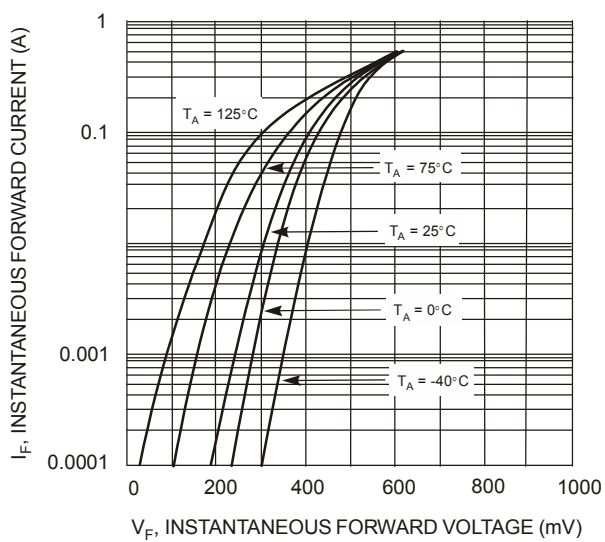
Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Breakdown Voltage (Note 2)	V _{(BR)R}	40			V	I _R = 100 A
Forward Voltage Drop (Note 2)	V _{FM}			0.37 0.60	V	I _F = 20mA I _F = 200mA
Peak Reverse Current (Note 2)	I _{RM}			5.0	A	V _R = 30V
Total Capacitance	C _T		28		pF	V _R = 0V, f = 1.0MHz
Reverse Recovery Time	t _{rr}		10		ns	I _F = I _R = 200mA, I _{rr} = 0.1 x I _R , R _L = 100

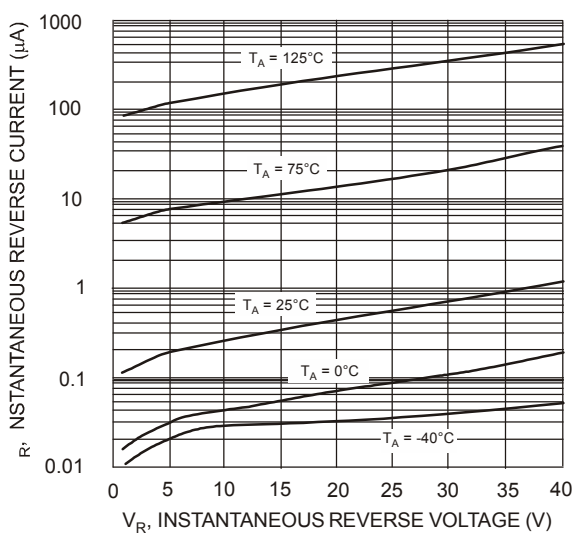
- Notes:
1. Part mounted on FR-4 board with recommended pad layout, which can be found on our website
 2. Short duration test pulse used to minimize self-heating effect.



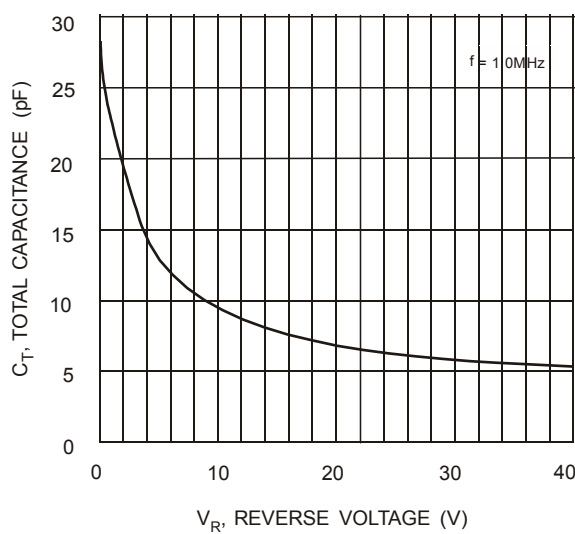
T_A , AMBIENT TEMPERATURE (°C)
Fig.1 Power Derating Curve



V_F , INSTANTANEOUS FORWARD VOLTAGE (mV)
Fig. 2 Typical Forward Characteristics



V_R , INSTANTANEOUS REVERSE VOLTAGE (V)
Fig. 3 Typical Reverse Characteristics



V_R , REVERSE VOLTAGE (V)
Fig. 4 Typ. Total Capacitance vs. Reverse Voltage