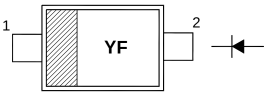
SD0103WS

SILICON SCHOTTKY BARRIER DIODE

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Top View
Marking Code: "**YF**"
Simplified outline SOD-323 and symbol

Features

- Low forward voltage drop and suitable for high effifiency rectifying
- Ultra small resin package is suitable for high density surface mounting and high speed assembly

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Mean Rectifying Current	I_O	100	mA
Non-Repetitive Peak Forward Surge Current (8.3 ms Single Half Sine Wave)	I_{FSM}	1	A
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	- 55 to + 125	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I_F = 100 mA	V_F	0.44	V
Reverse Current at V_R = 30 V	I_R	50	µA

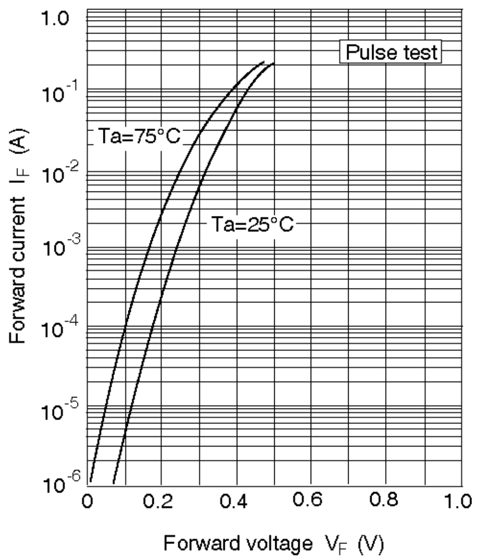


Fig.1 Forward current Vs. Forward voltage

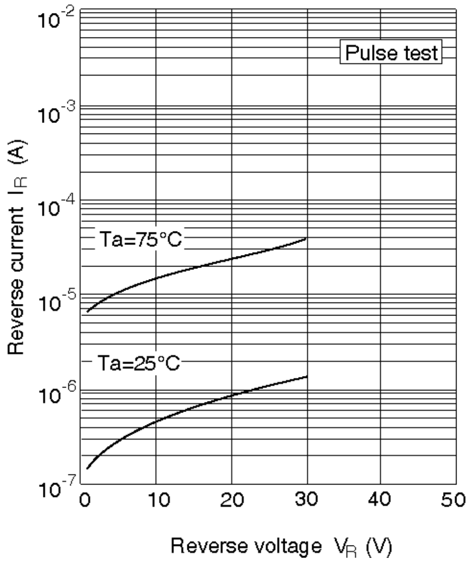


Fig.2 Reverse current Vs. Reverse voltage

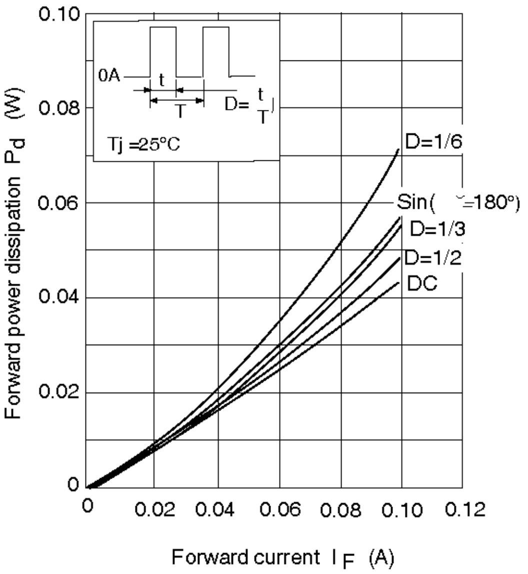


Fig.3 Forward power dissipation Vs. Forward current

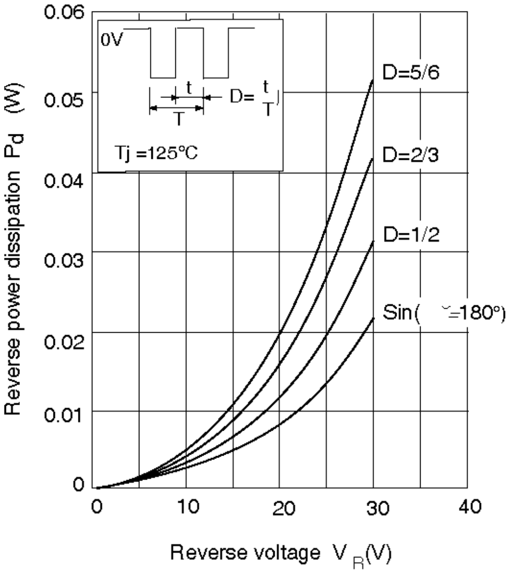
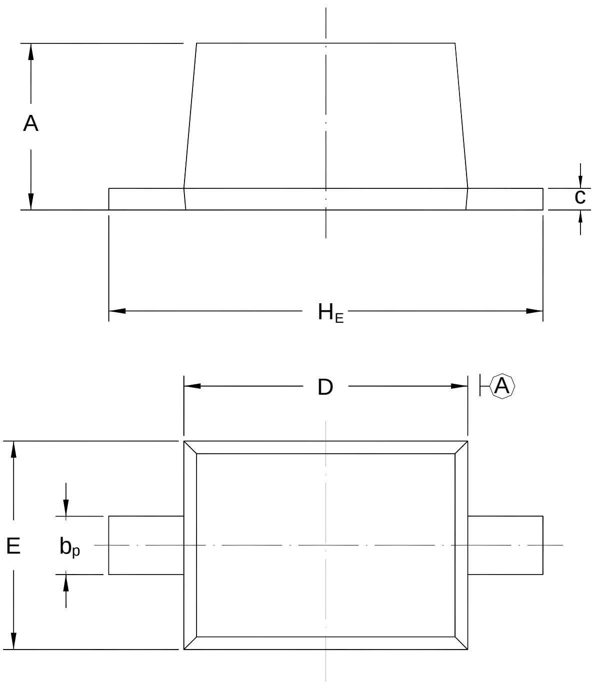


Fig.4 Reverse power dissipation Vs. Reverse voltage

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads **SOD-323**



UNIT	A	b_p	C	D	E	H_E
mm	1.10 0.80	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30

Dated : 01/11/2007