SD107WS

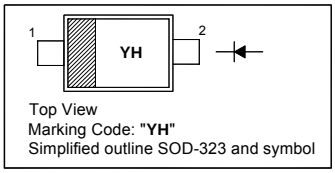
SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

• Low forward voltage drop

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



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

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	30	V
Non-Repetitive Peak Reverse Voltage	V_{RSM}	30	V
DC Blocking Voltage	V_R	30	V
Forward Continuous Current	I_{FM}	100	mA
Non-Repetitive Peak Forward Surge Current (t ≤ 10 ms)	I_{FSM}	750	mA
Power Dissipation	P_d	250	mW
Operating and Storage Temperature Range	T_j, T_{stg}	- 65 to + 125	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I_F = 50 mA at I_F = 100 mA	V_F	 - -	 0.55 0.8	V
Reverse Breakdown Voltage at I_R = 100 µA	$V_{(BR)R}$	30	-	V
Reverse Current at V_R = 25 V	I_R	-	1	µA

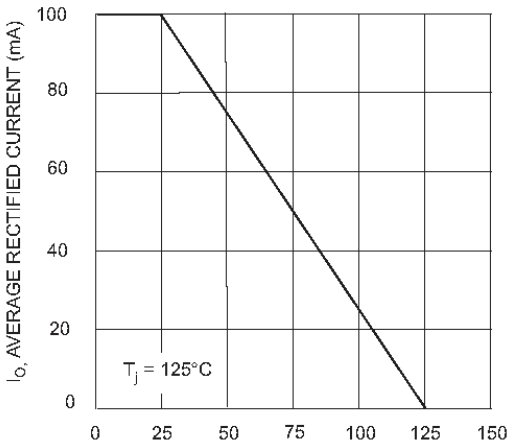


Fig. 1 Forward Current Derating Curve

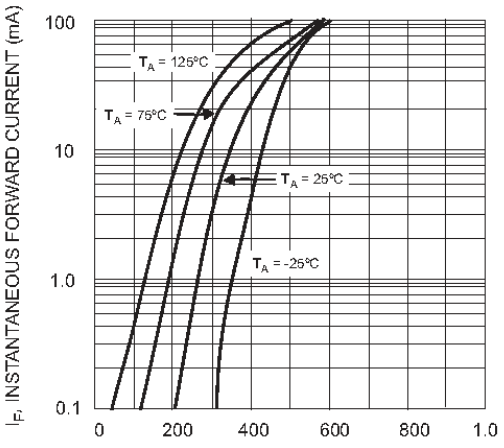


Fig. 2 Typical Forward Characteristics

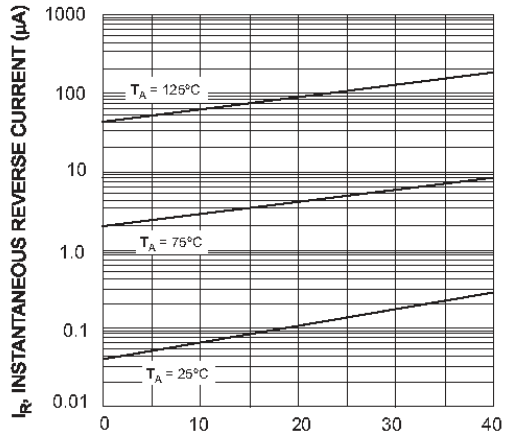


Fig. 3 Typical Reverse Characteristics

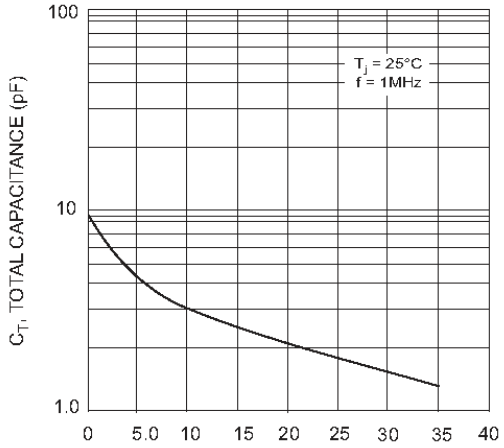
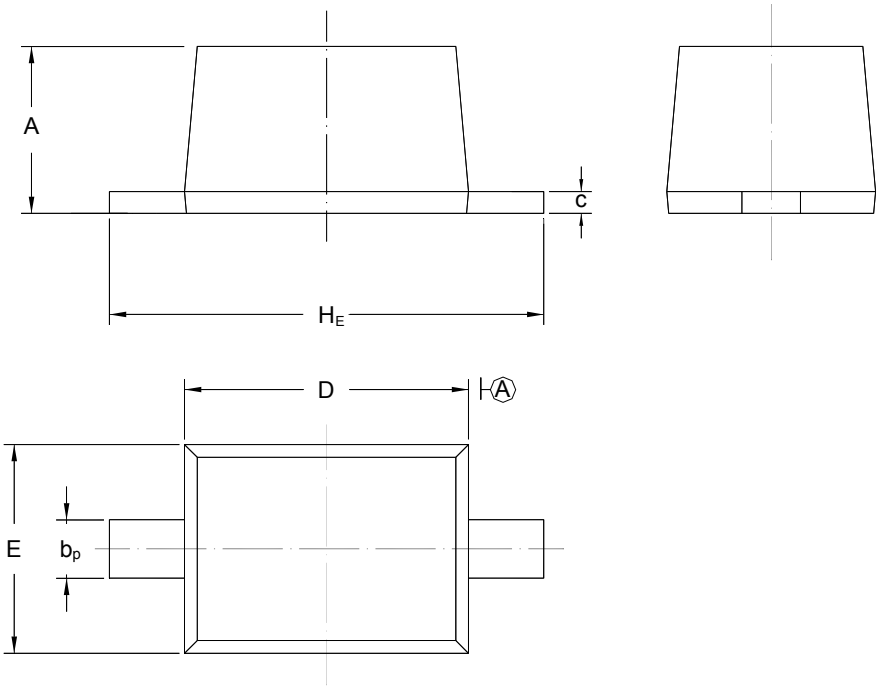


Fig. 4 Total Capacitance vs. Reverse Voltage

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