SDA06WS

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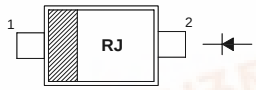
SILICON EPITAXIAL PLANAR SCHOTTKY BARRIER DIODE

Features

- Small surface mounting type
- High reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



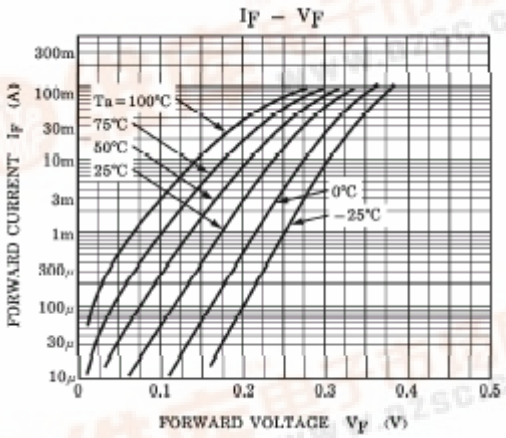
Top View
Marking Code: "**RJ**"
Simplified outline SOD-323 and symbol

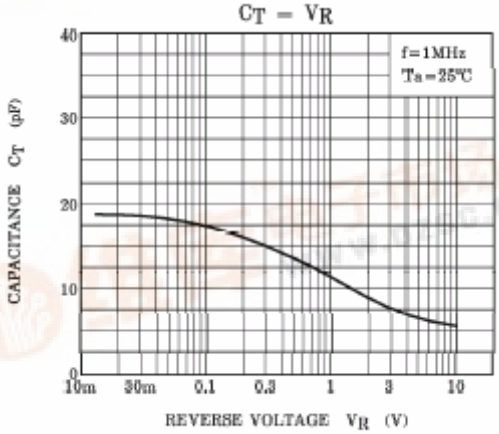
Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	25	V
Reverse Voltage	V_R	20	V
Average Forward Rectified Current	I_O	100	mA
Peak Forward Current	I_{FM}	200	mA
Peak Forward Surge Current (60 Hz for 1 Cyc.)	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	Typ.	Max.	Unit
Forward Voltage at I_F = 100 mA	V_F	-	0.44	V
Reverse Current at V_R = 20 V	I_R	-	25	μA
Capacitance Between Terminals at V_R = 10 V, f = 1 MHz	C_T	8	-	pF





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SEMTECH ELECTRONICS LTD.
(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)

ISO/TS 16949 : 2002 Certificate No. 05103
ISO14001 : 2004 Certificate No. 7116
ISO 9001 : 2008 Certificate No. 0506098
BS-OHSAS 18001 : 2007 Certificate No. 7116
IECQ QC 080000

Dated : 22/04/2008

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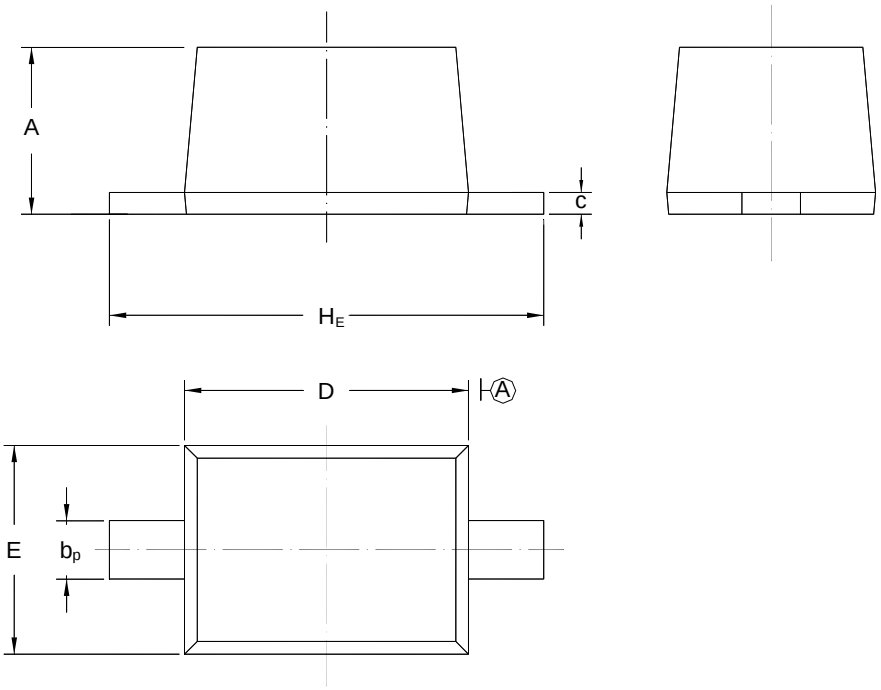
PACKAGE OUTLINE

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