

RB550VA-30

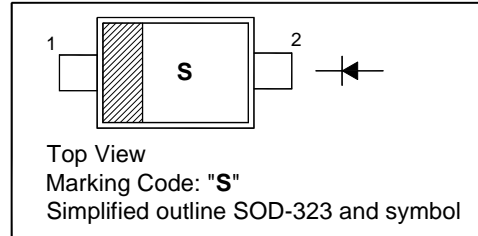
Silicon Epitaxial Planar Schottky Barrier Diode

Features

- Low forward voltage, low reverse current
- Small plastic SMD SOD-323 package
- High reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

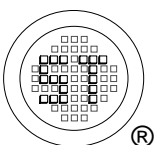


Absolute Maximum Ratings ($T_a = 25\text{ }^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	30	V
Reverse Voltage	V_R	30	V
Average Forward Rectified Current	$I_{F(AV)}$	1	A
Peak Forward Surge Current ($t_p = 10\text{ ms}$)	I_{FSM}	3	A
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 40 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25\text{ }^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 700\text{ mA}$ at $I_F = 1\text{ A}$	V_F	0.49 0.52	V
Reverse Current at $V_R = 10\text{ V}$	I_R	30	μA

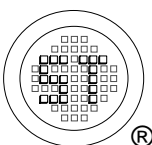
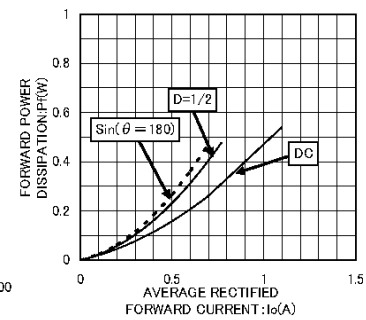
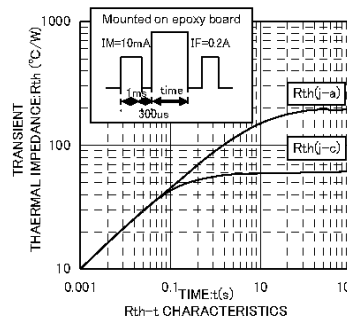
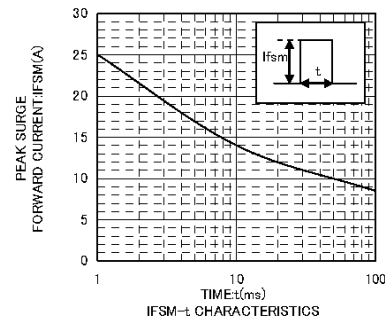
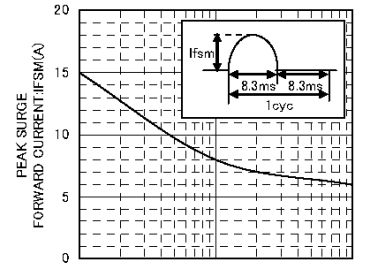
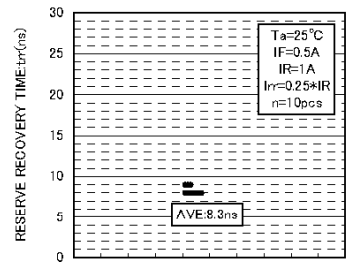
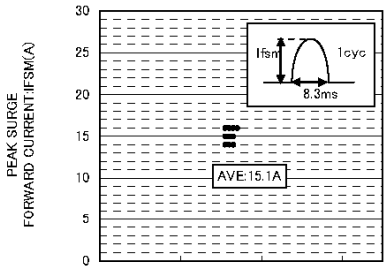
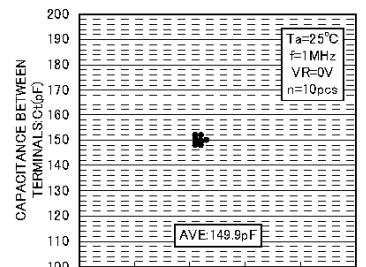
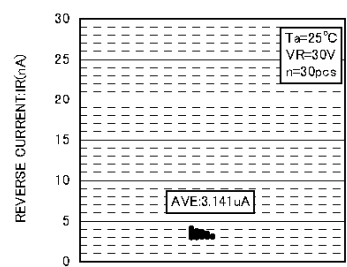
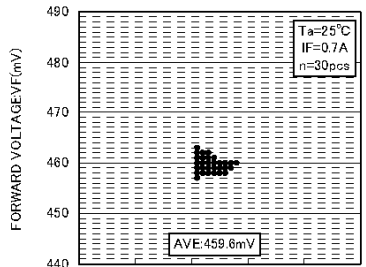
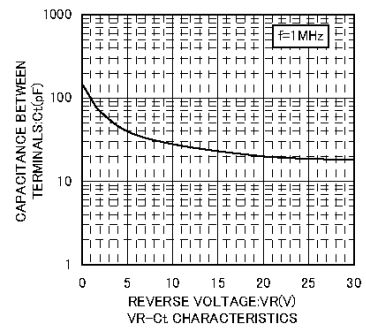
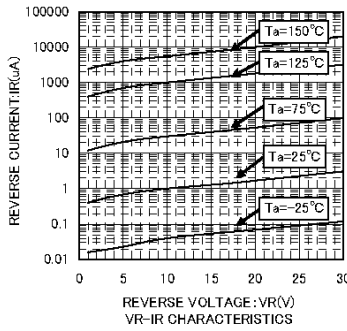
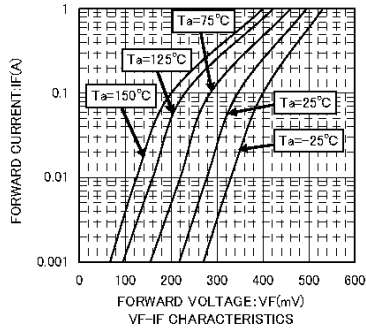


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Dated: 04/01/2012 Rev: 01

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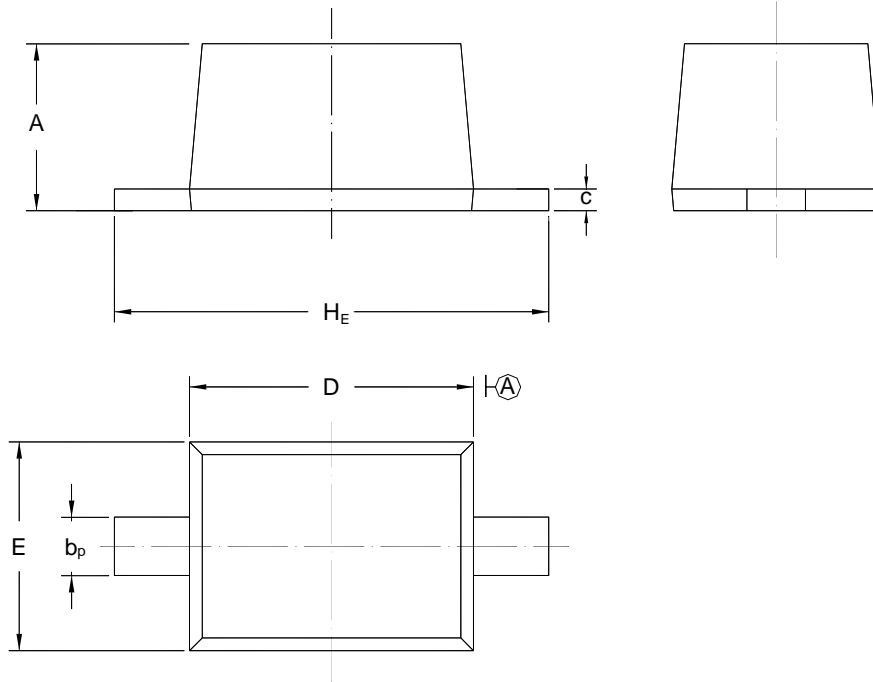


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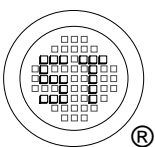
PACKAGE OUTLINE

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



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