

# RB550VA-30HS

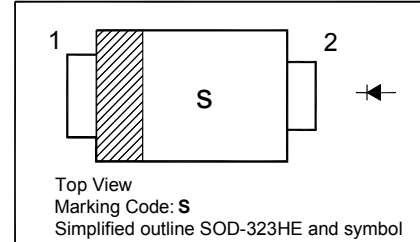
## Silicon Epitaxial Planar Schottky Barrier Diode

### Features

- Low forward voltage, low reverse current
- High reliability

### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



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

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 ( $t_p = 10$ ms)	$I_{FSM}$	25	A
Junction Temperature	$T_j$	150	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	- 40 to + 150	$^\circ\text{C}$

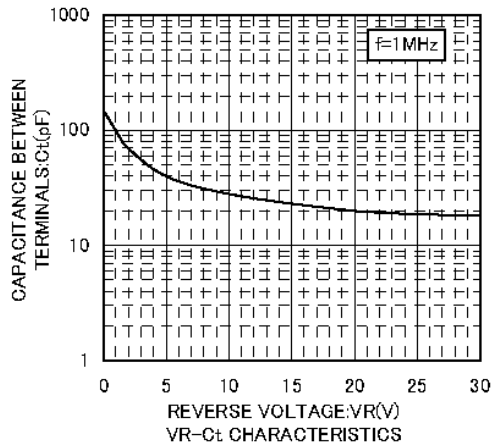
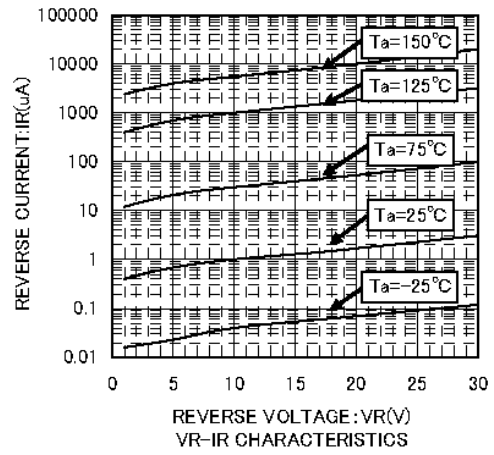
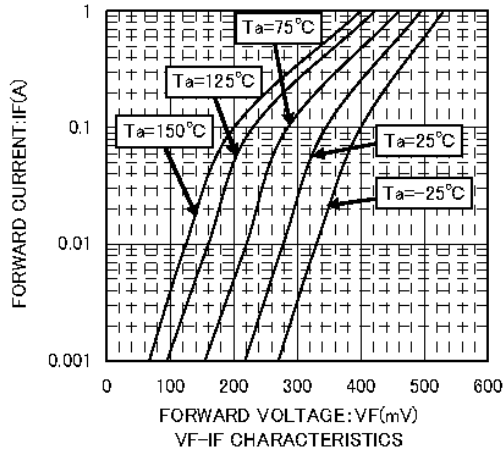
### Characteristics at $T_a = 25^\circ\text{C}$

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

**TOP DYNAMIC**



# RB550VA-30HS



**TOP DYNAMIC**

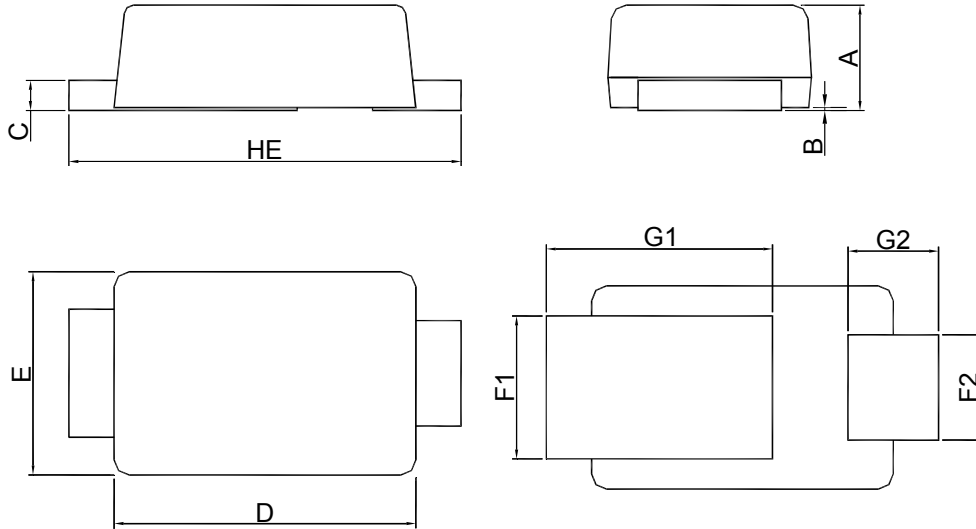


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## PACKAGE OUTLINE

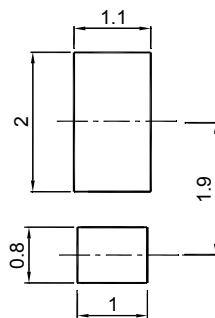
Plastic surface mounted package; 2 leads

SOD-323HE



UNIT	A	B	C	D	E	F1	F2	G1	G2	H <sub>E</sub>
mm	0.7	0.02	0.2	2	1.35	0.95	0.7	1.5	0.6	2.6
	0.5	0	0.1	1.8	1.15	0.75	0.5	1.3	0.4	2.4

## RECOMMENDED SOLDERING FOOTPRINT



SOD-323HE

## Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
SOD-323HE	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

**TOP DYNAMIC**

