

# EVVOSEMI<sup>®</sup>

THINK CHANGE DO



ESD



TVS



MOS



LDO



Diode



Sensor



DC-DC

## Product Specification

▶ Domestic	Part Number	RB520S-30
▶ Overseas	Part Number	RB520S-30
▶ Equivalent	Part Number	RB520S-30

EV is the abbreviation of name EVVO

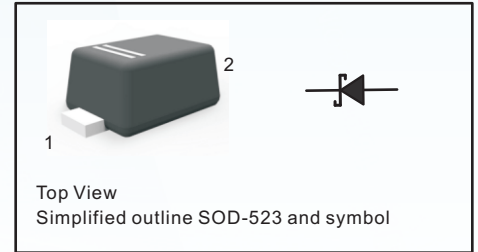
## SCHOTTKY BARRIER RECTIFIERS

### FEATURES

- Low Forward Voltage Drop
- Surface Mount Package Ideally Suited for Automated Insertion
- Lead, Halogen and Antimony Free, RoHS Compliant "Green" Device

### PINNING

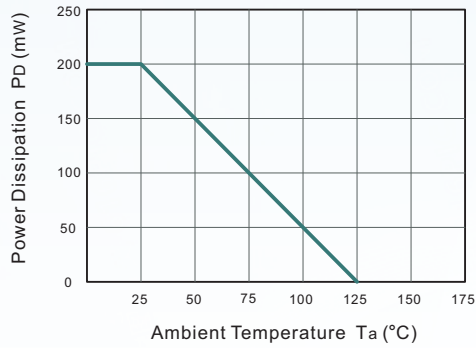
PIN	DESCRIPTION
1	Cathode
2	Anode



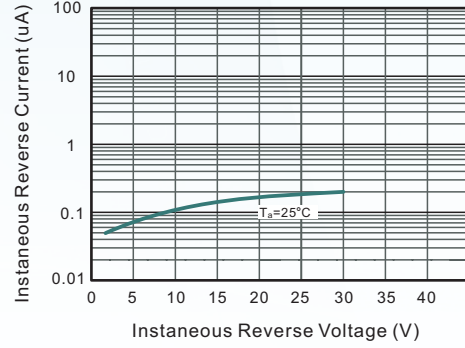
Maximum Ratings and Electrical characteristics  
Ratings at 25 °C ambient temperature unless otherwise specified.

Parameter		Symbols	RB520S-30	Units
Reverse Voltage		$V_R$	30	V
Forward Continuous Current		$I_F$	200	mA
Non-Repetitive Peak Forward Surge Current @t = 8.3ms		$I_{FSM}$	1	A
Power dissipation		$P_D$	200	mW
Reverse Breakdown Voltage	$I_R = 500\mu A$	$V_{BR}$	30(Min)	V
Forward Voltage	$I_F = 200mA$	$V_F$	0.60(Max)	V
Peak Reverse Current	$V_R = 10V$	$I_R$	1.0(Max)	$\mu A$
Junction Temperature		$T_j$	125	°C
Storage Temperature		$T_{stg}$	-55 ~ +125	°C

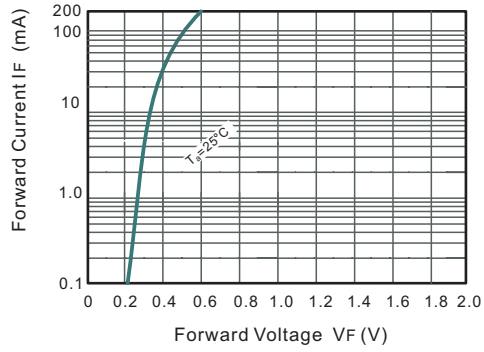
**Fig.1 Power Derating Curve**



**Fig.2 Typical Instaneous Reverse Characteristics**



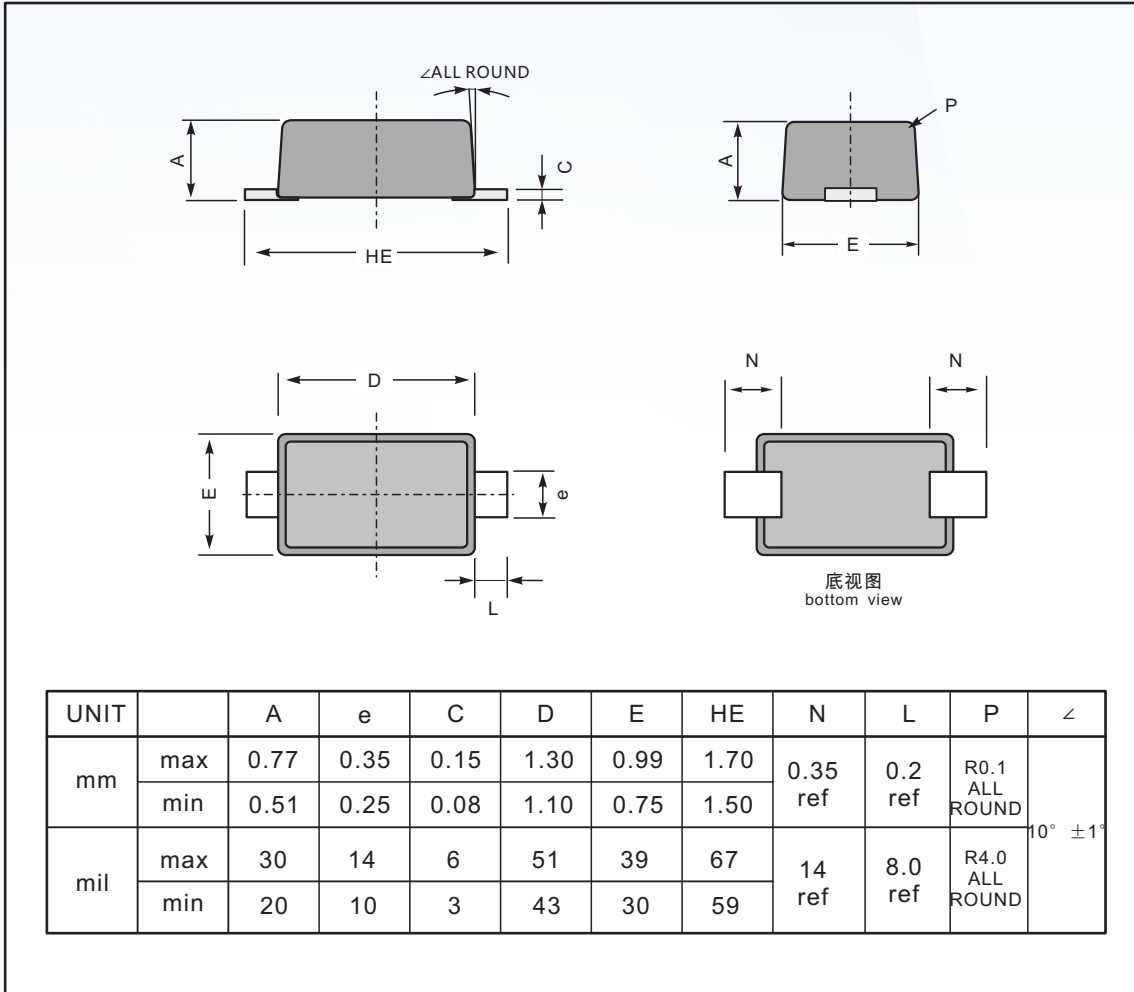
**Fig.3 Typical Forward Characteristic**



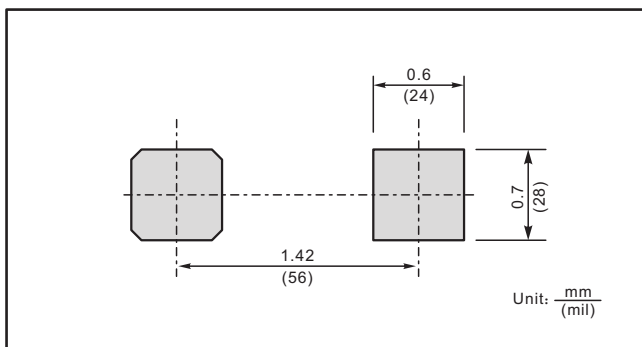
**PACKAGE OUTLINE**

Plastic surface mounted package; 2 leads

SOD-523



**The recommended mounting pad size**



**Marking**

Type number	Marking code
RB520S-30	B

## Disclaimer

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