

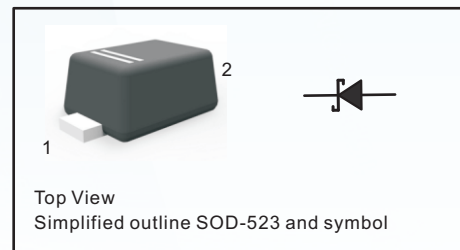
## SCHOTTKY BARRIER RECTIFIERS

### 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

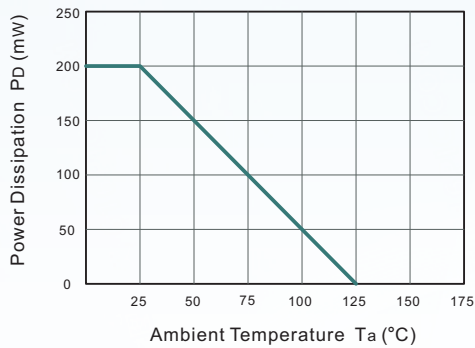


Fig.2 Typical Instaneous Reverse Characteristics

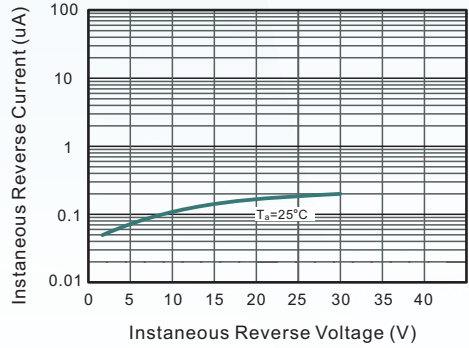
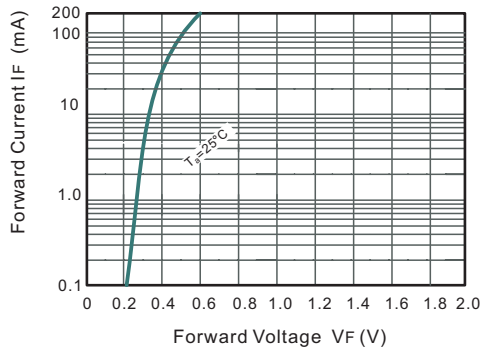


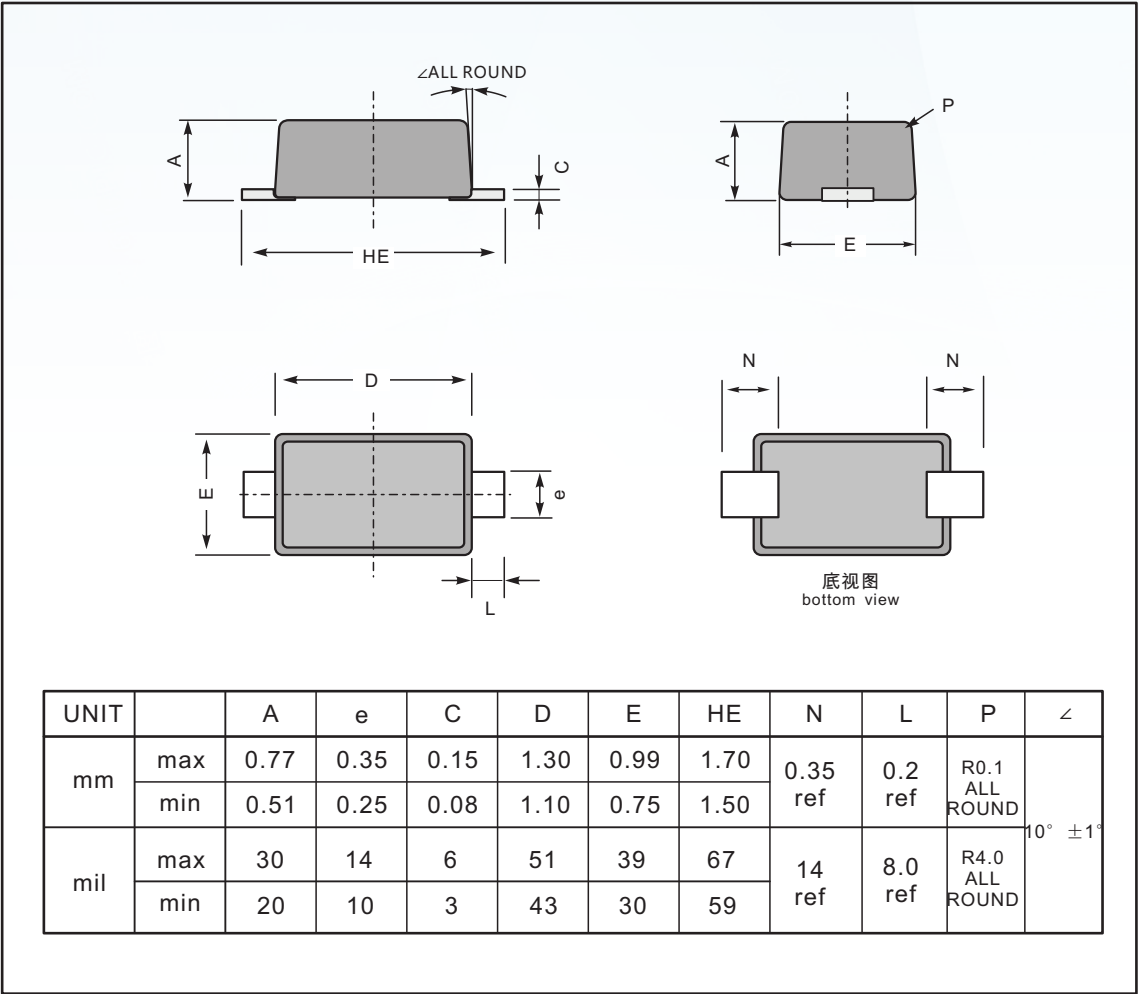
Fig.3 Typical Forward Characteristic



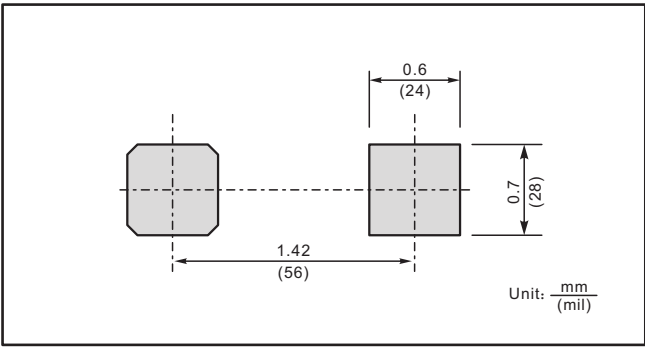
PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523



The recommended mounting pad size



Marking

Type number	Marking code
RB520S-30	B

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