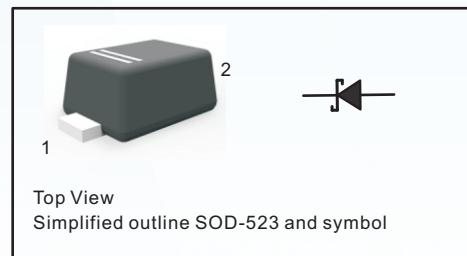


SCHOTTKY BARRIER RECTIFIERS
FEATURES

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

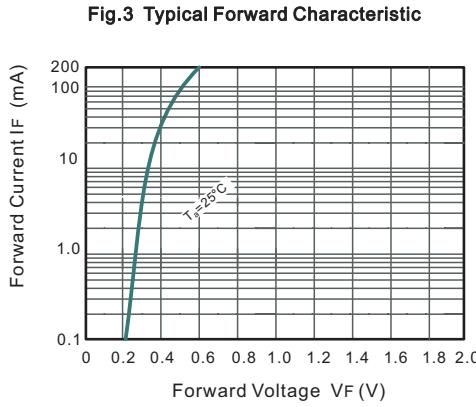
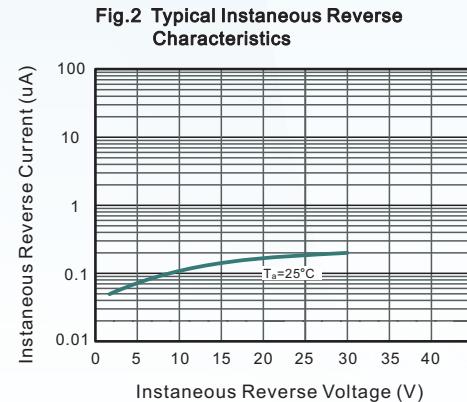
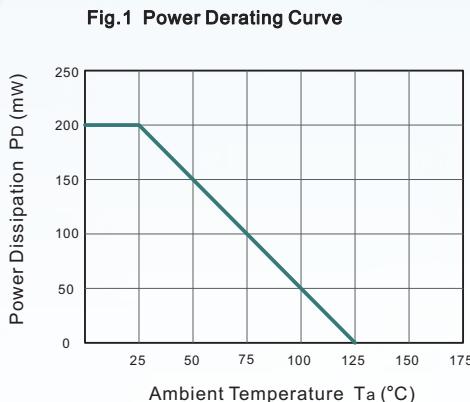
PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode


Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.

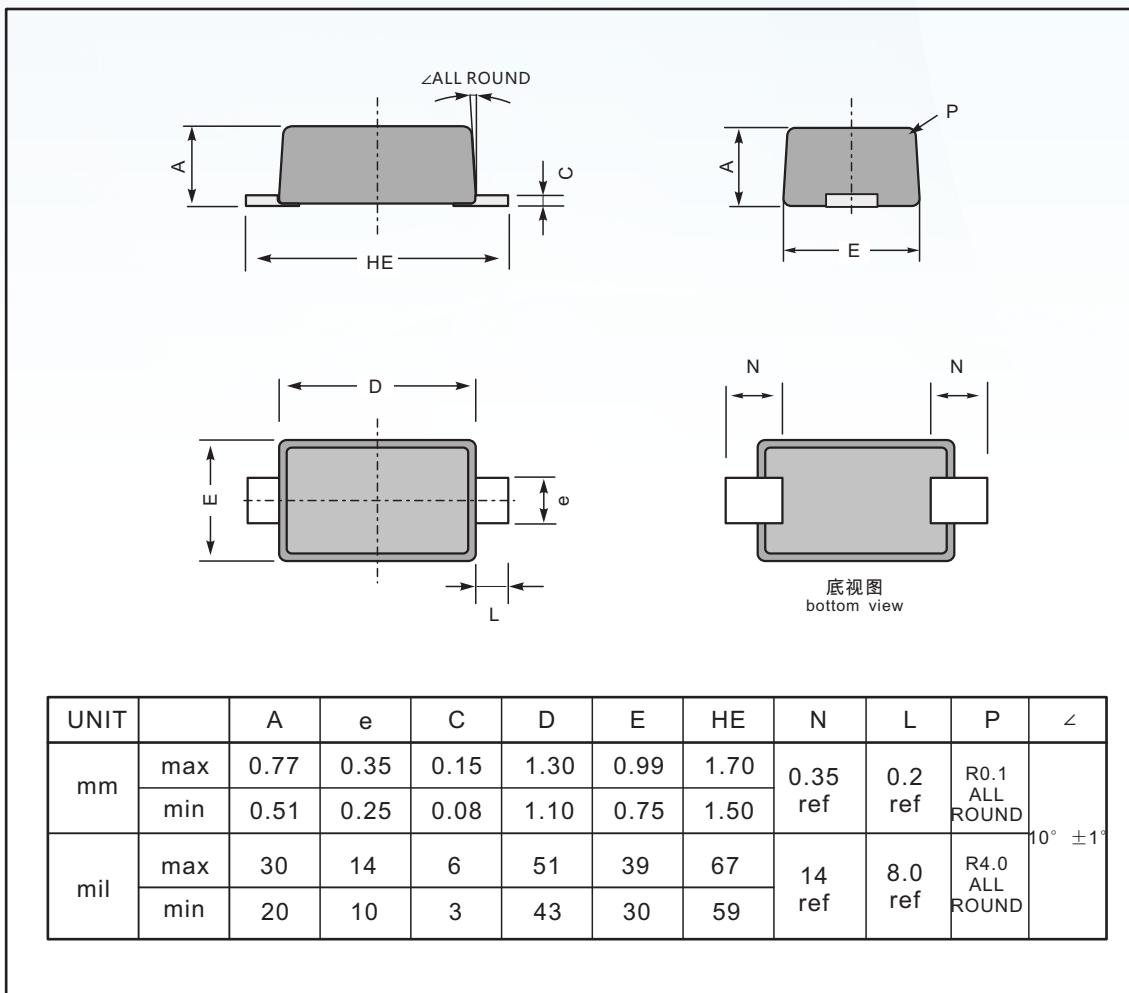
Parameter	Symbols	RB520S-30	Units
Reverse Voltage	V_R	30	V
Forward Continuous Current	I_F	200	mA
Non-Repetitive Peak Forward Surge Current @ $t = 8.3\text{ms}$	I_{FSM}	1	A
Power dissipation	P_D	200	mW
Reverse Breakdown Voltage $I_R = 500\mu\text{A}$	V_{BR}	30(Min)	V
Forward Voltage $I_F=200\text{mA}$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



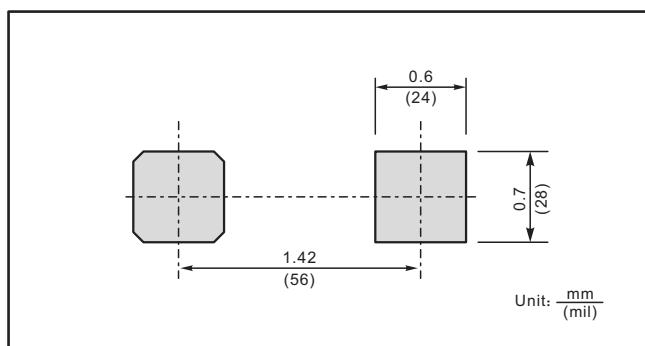
PACKAGE OUTLINE

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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