

Schottky Barrier Diode

RB520S-30

■ Features

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Matte Tin(Sn) Lead Finish

SOD-523



Top View



PIN DESCRIPTION

PIN	DESCRIPTION
1	Cathode
2	Anode

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$ unless otherwise noted

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	30	V
Average Rectified Output Current	$I_{F(AV)}$	200	mA
Peak Forward Surge Current (At 8.3ms single half sine-wave)	I_{FSM}	1	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	125	°C
Storage Temperature range	T_{stg}	-55 to +125	

■ Electrical Characteristics $T_a = 25^\circ\text{C}$ unless otherwise noted

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	B_V	$I_R = 500\mu\text{A}$	30			V
Forward voltage	V_F	$I_F = 200\text{mA}$			0.6	V
Reverse Leakage current	I_R	$V_R = 10\text{V}$			1	μA

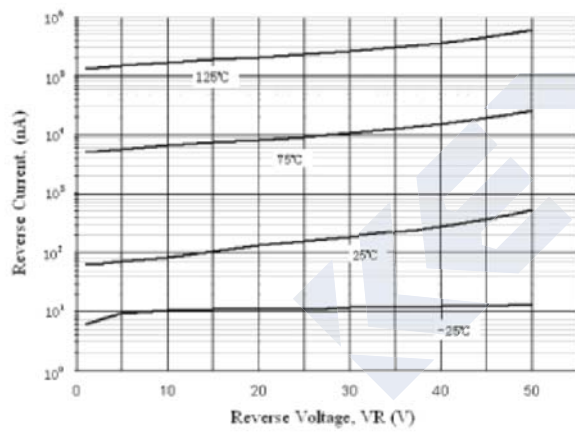
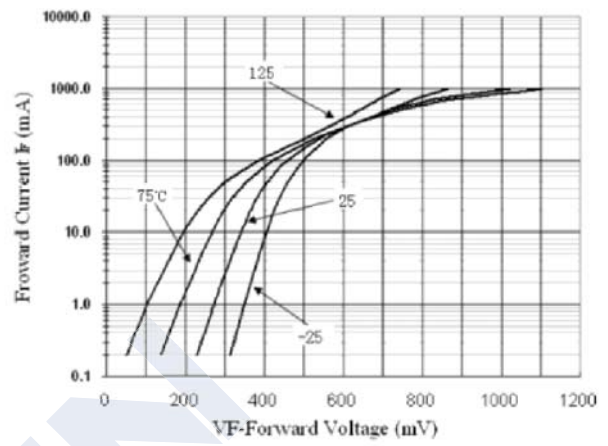
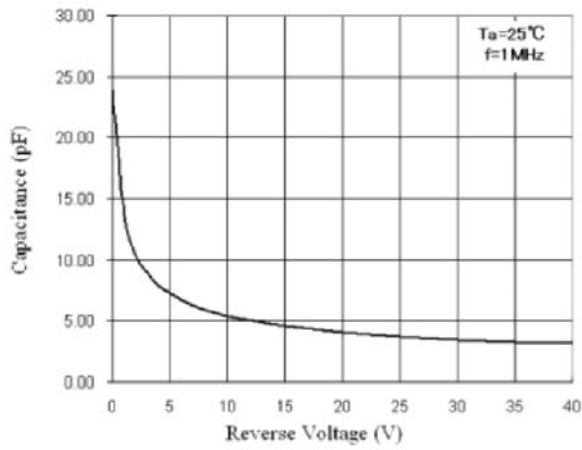
■ Marking

Marking	B
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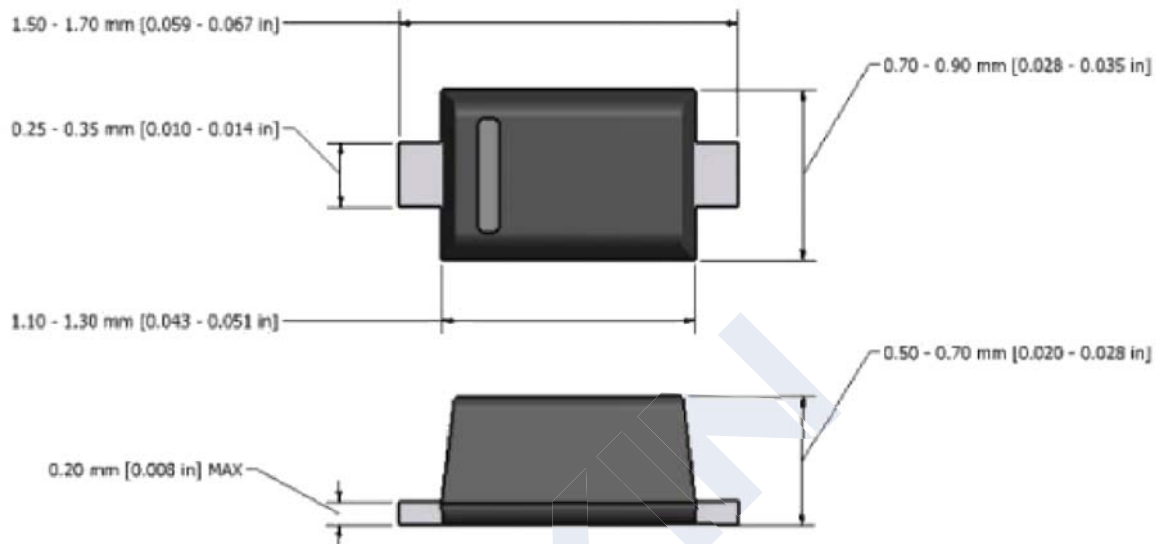
■ Typical Characteristics



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■ Package Outline Dimensions (SOD-523)



Note: Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.

■ The Recommended Mounting Pad Size

