

RB520S-30

SURFACE MOUNT SCHOTTKY BARRIER

VOLTAGE 30 Volt **CURRENT** 0.2 Ampere

SOD-523

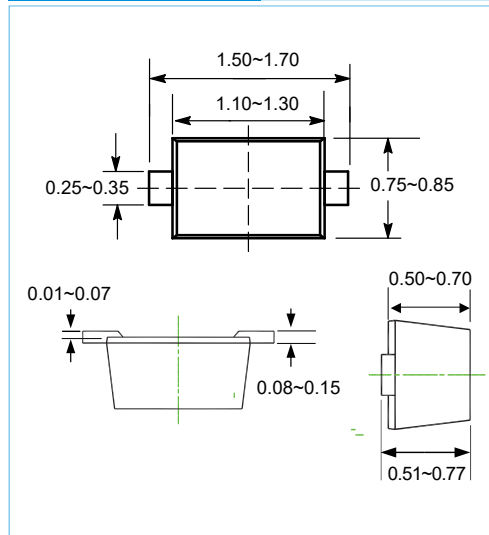
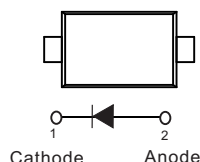
Unit:mm

FEATURES

- Low current rectifier schottky diode
- Low voltage, low inductance
- For power supply
- Lead free in compliance with EU RoHS
- Marking code: B

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS($T_A = 25^\circ\text{C}$ unless otherwise noted)

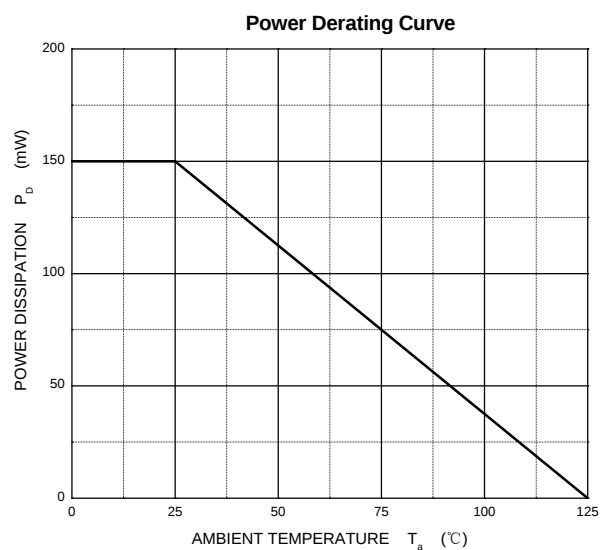
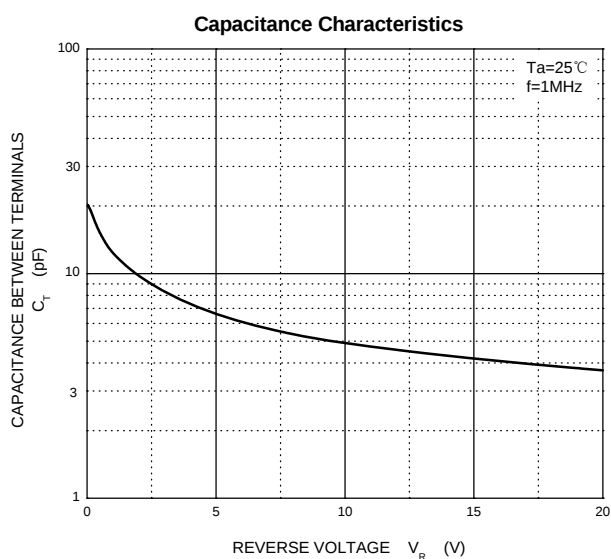
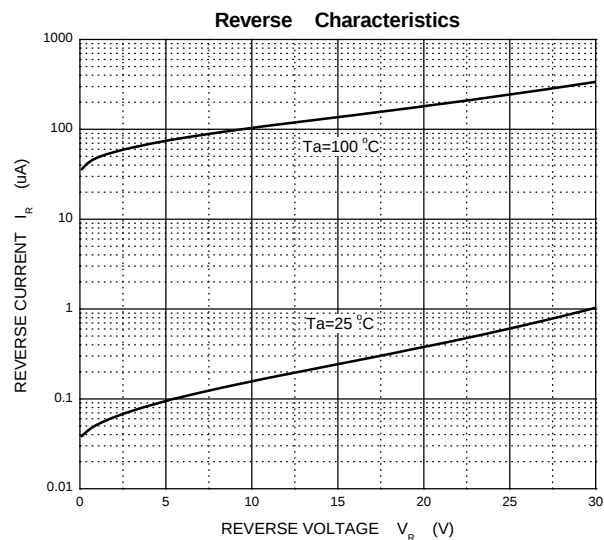
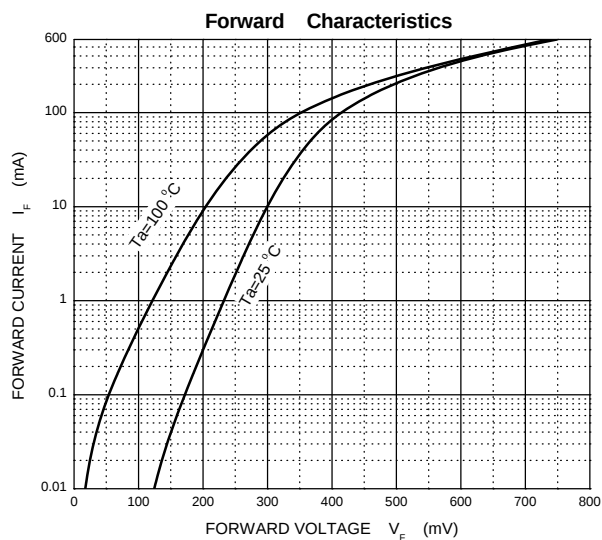
Parameter	Symbol	Value	Units
Peak reverse voltage	V_{RM}	30	V
Reverse voltage	V_R	30	V
Average Rectified Output Current	I_O	0.2	A
Non-repetitive Peak Forward surge current @ $t=8.3\text{ms}$	I_{FSM}	1.0	A
Power dissipation	P_D	150	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	667	$^\circ\text{C/W}$
Junction Temperature	T_J	125	$^\circ\text{C}$
Storage Temperature	T_{STG}	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS($T_A = 25^\circ\text{C}$ unless otherwise noted)

Characteristic	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	($I_F = 200\text{ mA}$)			0.60	V
Reverse Leakage	I_R	($V_R = 20\text{ V}$)			100	μA

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Typical Characteristics

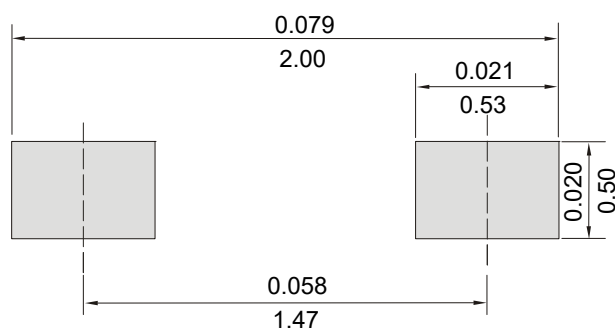


RB520S-30

MOUNTING PAD LAYOUT

SOD-523

Unit:Inch(mm)



ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
RB520S-30	SOD-523	7 Inch	8000