

# RB520G-30

## SURFACE MOUNT SCHOTTKY BARRIER

**VOLTAGE** 30 Volt **CURRENT** 0.2 Ampere

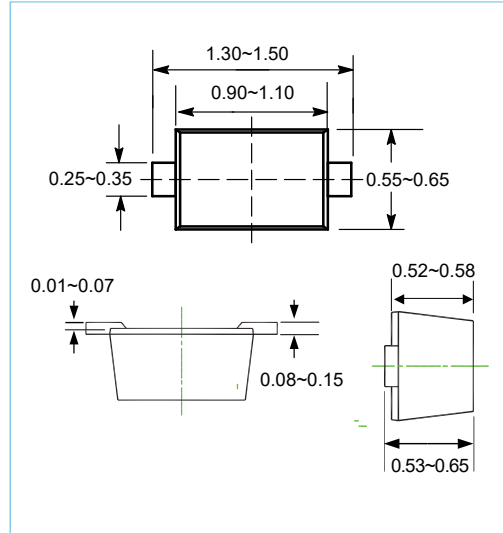
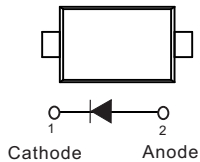
**SOD-723** Unit:mm

### FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- Lead free in compliance with EU RoHS
- Marking code: E

### 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)

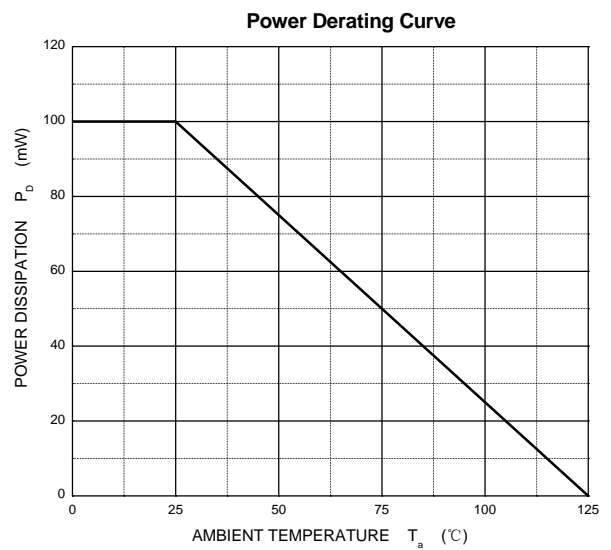
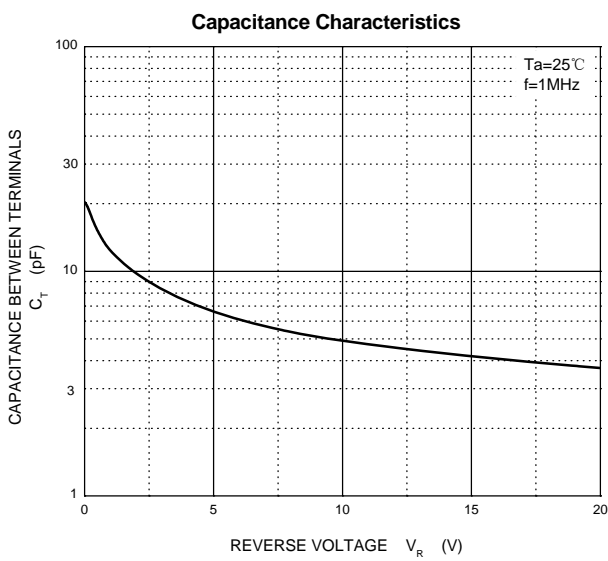
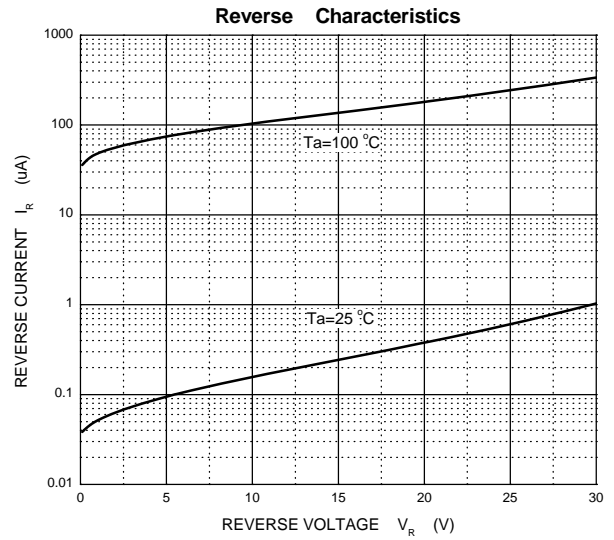
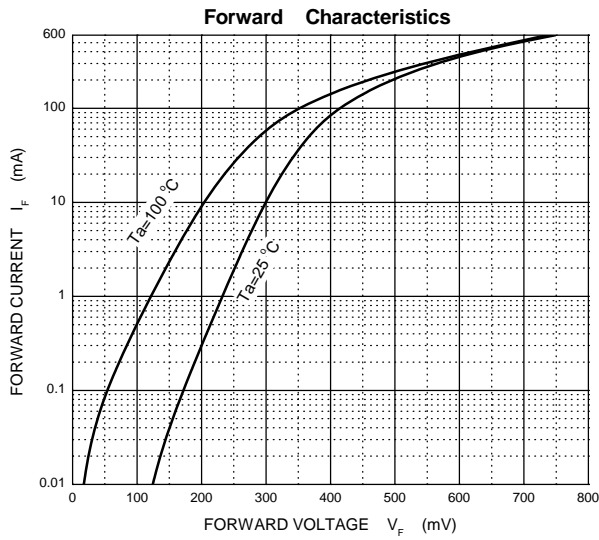
Parameter	Symbol	Value	Units
Peak reverse voltage	$V_{RM}$	30	V
Reverse voltage	$V_R$	30	V
Average Rectified Output Current	$I_O$	0.2	A
Non-repetitive Peak Forward surge current @ $t=8.3\text{ms}$	$I_{FSM}$	0.5	A
Power dissipation	$P_D$	100	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	1000	$^\circ\text{C}/\text{W}$
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	$V_F$	( $I_F = 10\text{ mA}$ )			0.45	V
Reverse Leakage	$I_R$	( $V_R = 10\text{ V}$ )			0.5	$\mu\text{A}$

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## Typical Characteristics

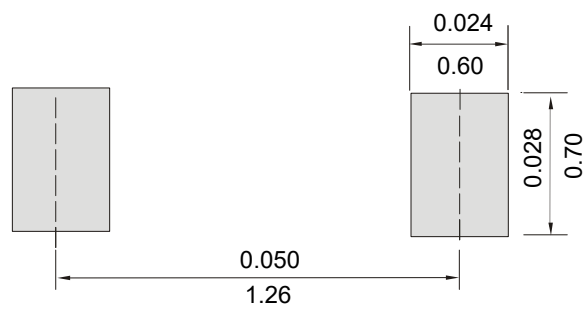


# RB520G-30

## MOUNTING PAD LAYOUT

### SOD-723

Unit:Inch(mm)



## ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
RB520G-30	SOD-723	7 Inch	8000