

# Schottky barrier diode

## RB520G-30

### ● Applications

Rectifying small power.

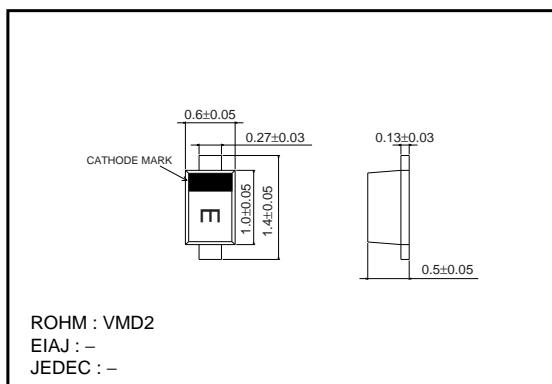
### ● Features

- 1) Ultra small mold type. (VMD2)
- 2) High reliability.

### ● Construction

Silicon epitaxial planar

### ● External dimensions (Unit : mm)



### ● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
DC reverse voltage	V <sub>R</sub>	30	V
Mean rectifying current	I <sub>o</sub>	100	mA
Forward peak surge current (60Hz•1cyc.)	I <sub>FSM</sub>	500	mA
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-40 to +125	°C

\* 60Hz, 1 $\bigcirc$

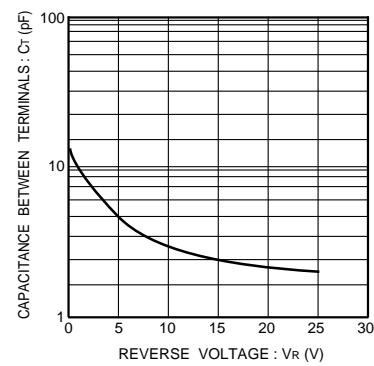
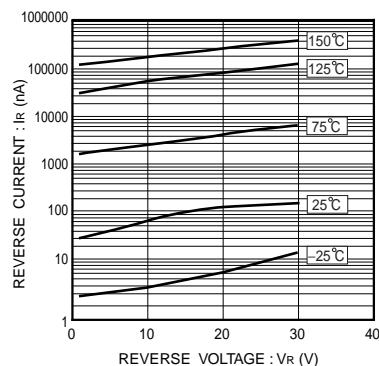
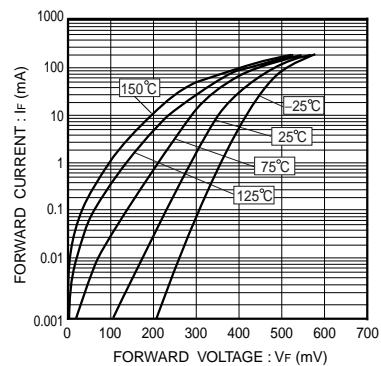
### ● Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.45	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	0.5	μA	V <sub>R</sub> =10V

\* Please pay attention to static electricity when handling.

## Diodes

## ●Electrical characteristic curves (Ta=25°C)



## Appendix

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