

# Schottky barrier diode

## RB520G-30

### ●Applications

Rectifying small power.

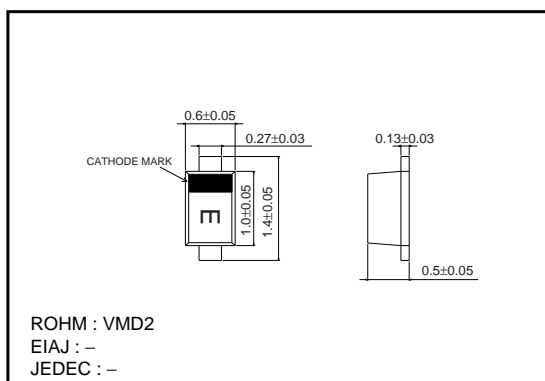
### ●Features

- 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	$V_R$	30	V
Mean rectifying current	$I_o$	100	mA
Forward peak surge current (60Hz•1cyc.)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

\* 60Hz, 1 $\varnothing$

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	—	—	0.45	V	$I_F=10\text{mA}$
Reverse current	$I_R$	—	—	0.5	$\mu\text{A}$	$V_R=10\text{V}$

\* Please pay attention to static electricity when handling.

Diodes

●Electrical characteristic curves (Ta=25°C)

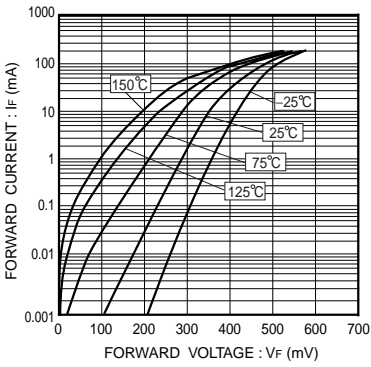


Fig.1 Forward characteristics

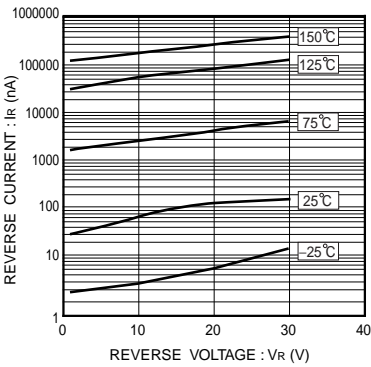


Fig.2 Reverse characteristics

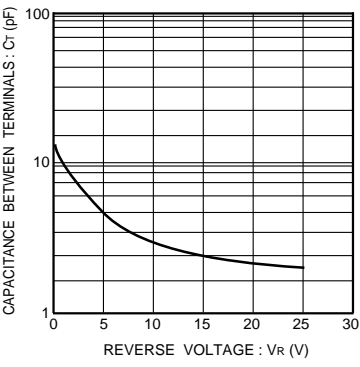


Fig. 3 Capacitance between terminals characteristics

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