

# Schottky barrier diode

## RB520G-30

● **Applications**

Low current rectification

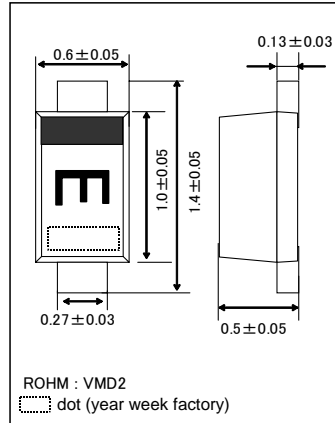
● **Features**

- 1) Ultra Small mold type. (VMD2)
- 2) Low  $I_R$ .
- 3) High reliability.

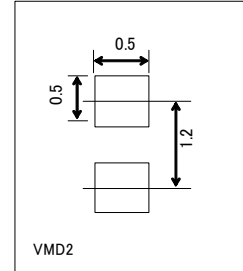
● **Construction**

Silicon epitaxial planar

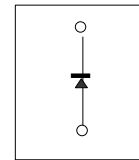
● **Dimensions (Unit : mm)**



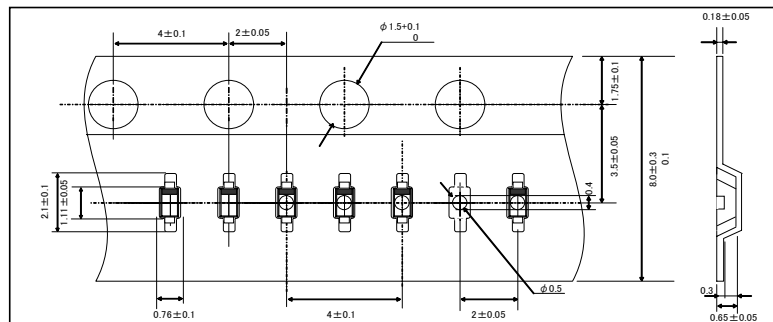
● **Land size figure (Unit : mm)**



● **Structure**



● **Taping specifications (Unit : mm)**



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

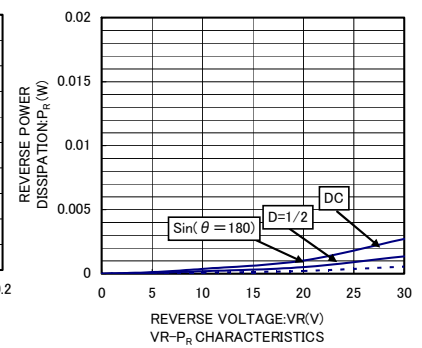
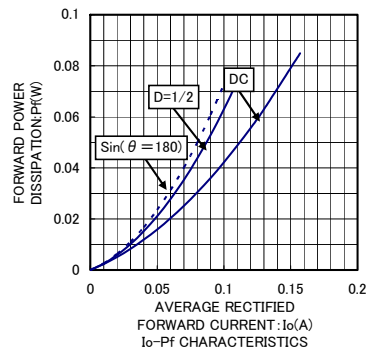
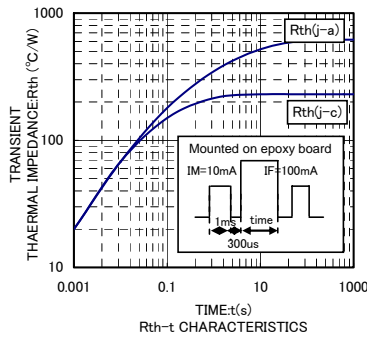
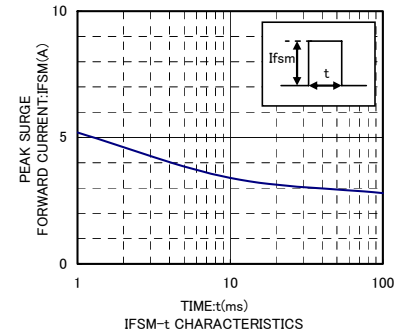
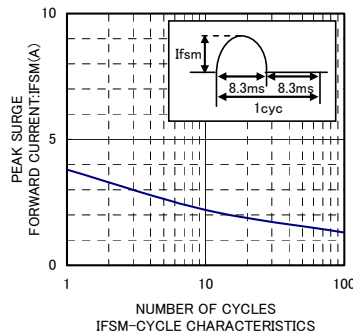
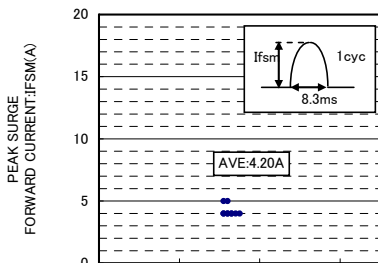
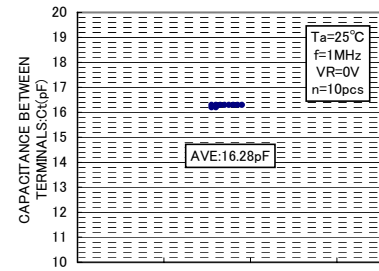
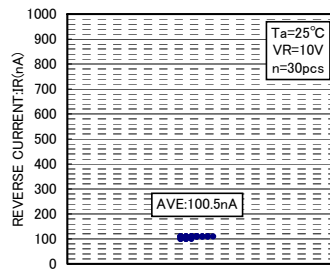
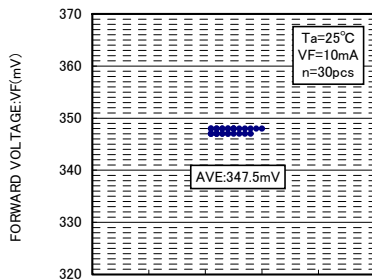
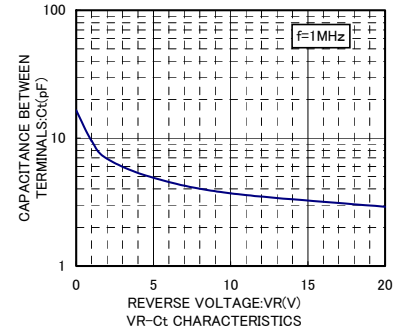
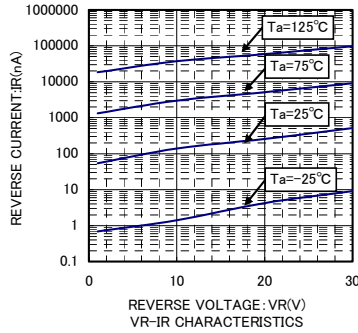
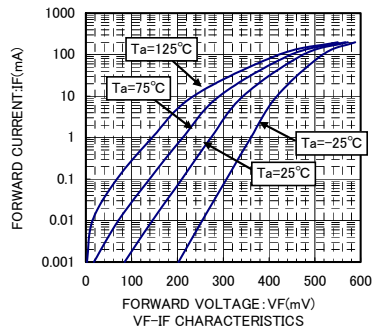
Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	$V_R$	30	V
Average rectified forward current	$I_o$	100	mA
Forward current surge peak (60Hz·1cyc)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

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

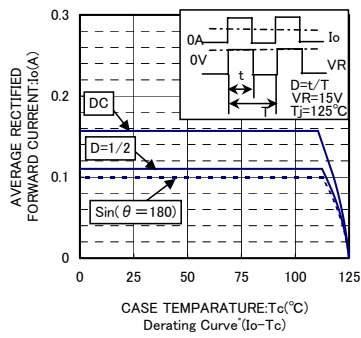
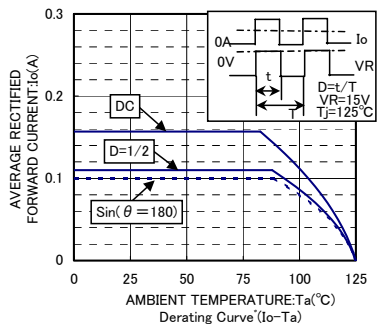
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.45	V	$I_F=10mA$
Reverse current	$I_R$	-	-	0.5	μA	$V_R=10V$

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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