

# Schottky barrier diode

## RB520CS-30

### ● Applications

Low current rectification

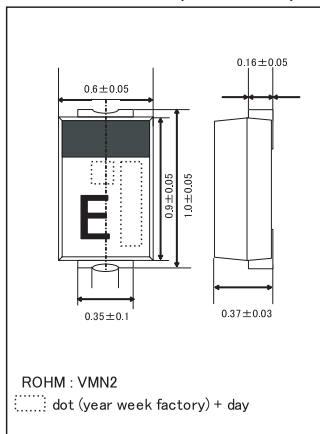
### ● Features

- 1) Ultra Small power mold type. (VMN2)
- 2) Low  $I_R$
- 3) High reliability.

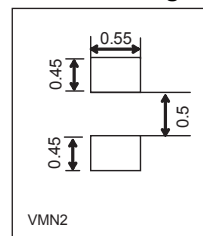
### ● Construction

Silicon epitaxial planar

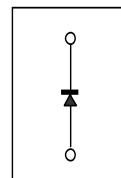
### ● Dimensions (Unit : mm)



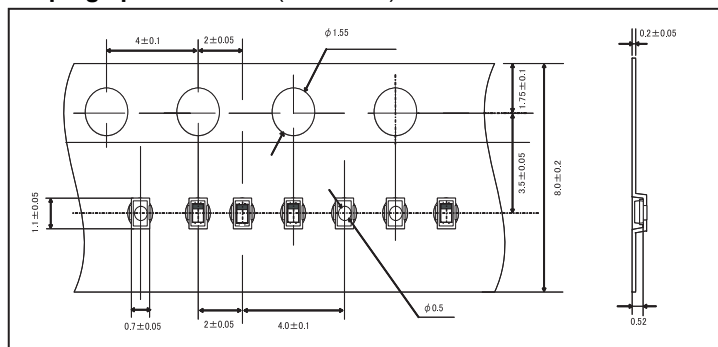
### ● Land size figure (Unit : mm)



### ● Structure



### ● Taping specifications (Unit : mm)



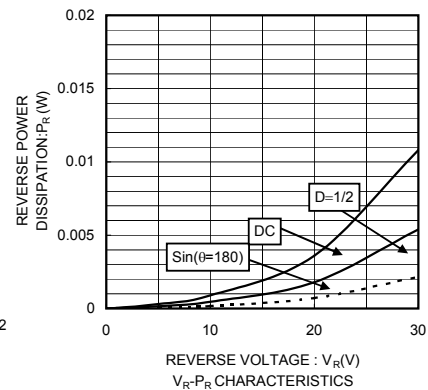
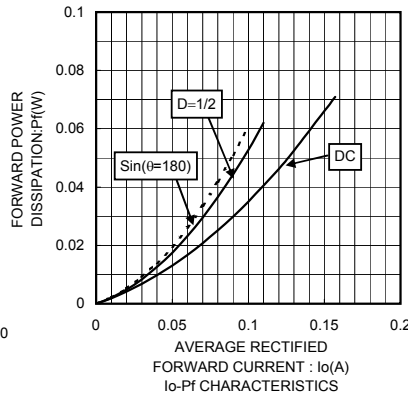
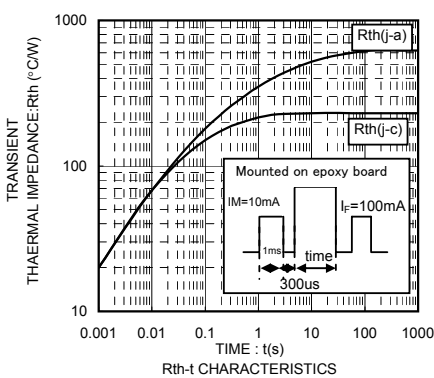
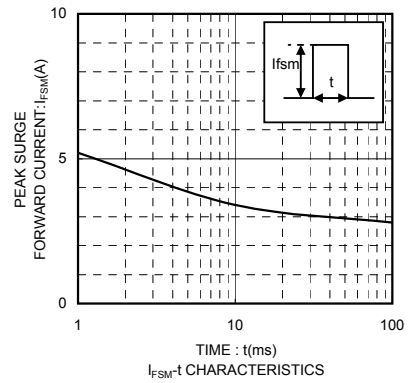
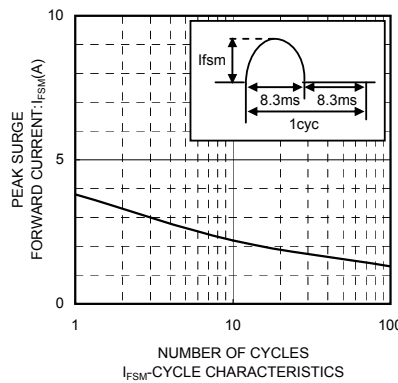
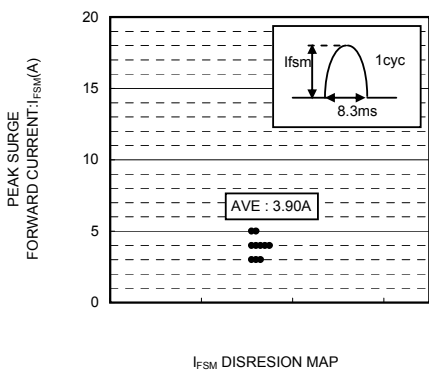
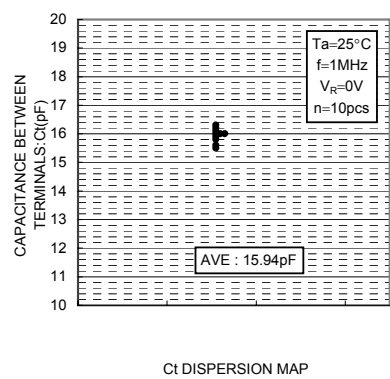
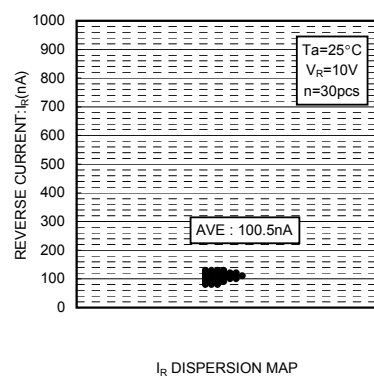
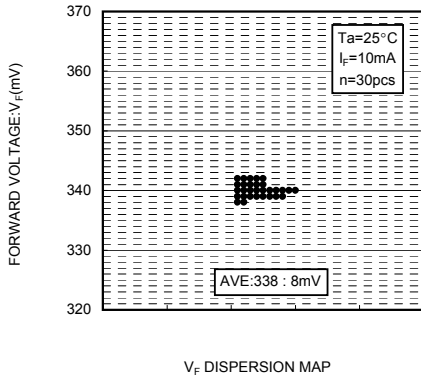
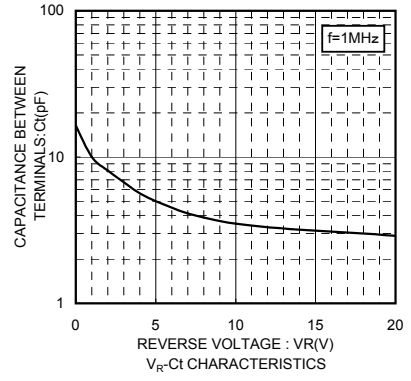
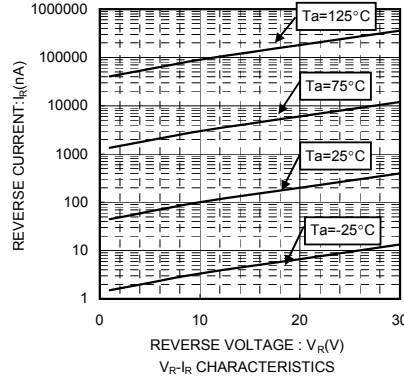
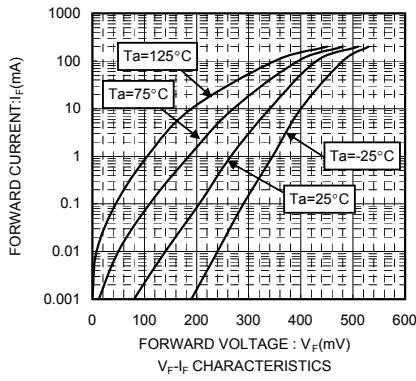
### ● Absolute maximum ratings (Ta=25°C)

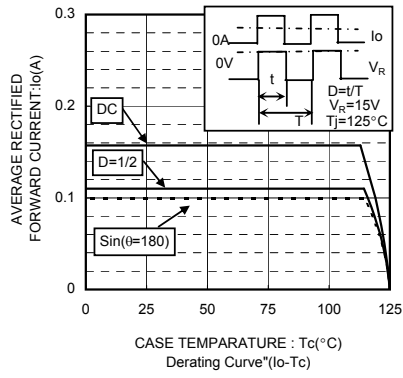
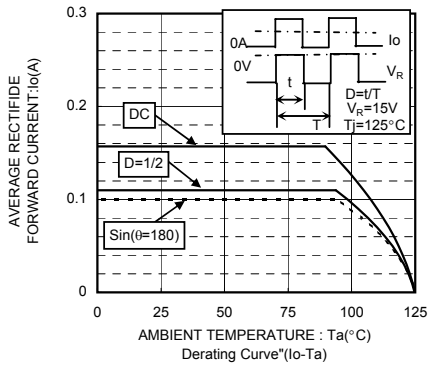
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	100	mA
Forward current surge peak (60Hz/1cyc)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-40 to +150	°C

### ● 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	$V_R=10V$

●Electrical characteristic curves





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