

Schottky barrier diode

RB521CS-30

● Applications

Low current rectification

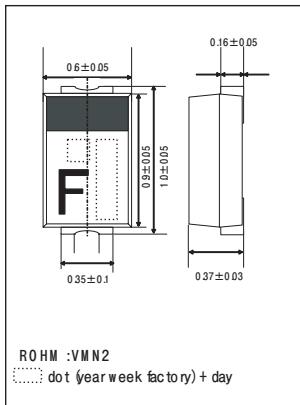
● Features

- 1) Ultra Small power mold type (VMN2)
- 2) Low V_F
- 3) High reliability

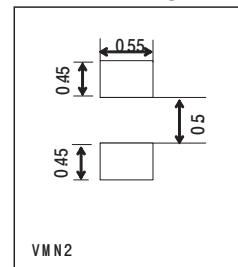
● Structure

Silicon epitaxial planer

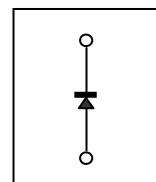
● Dimensions (Unit : mm)



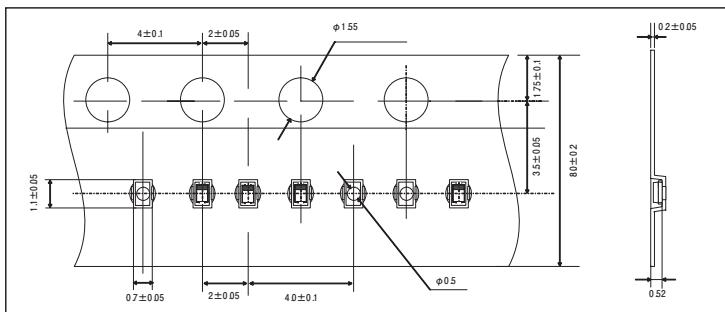
● Land size figure (Unit : mm)



● Structure



● Taping dimensions (Unit : mm)



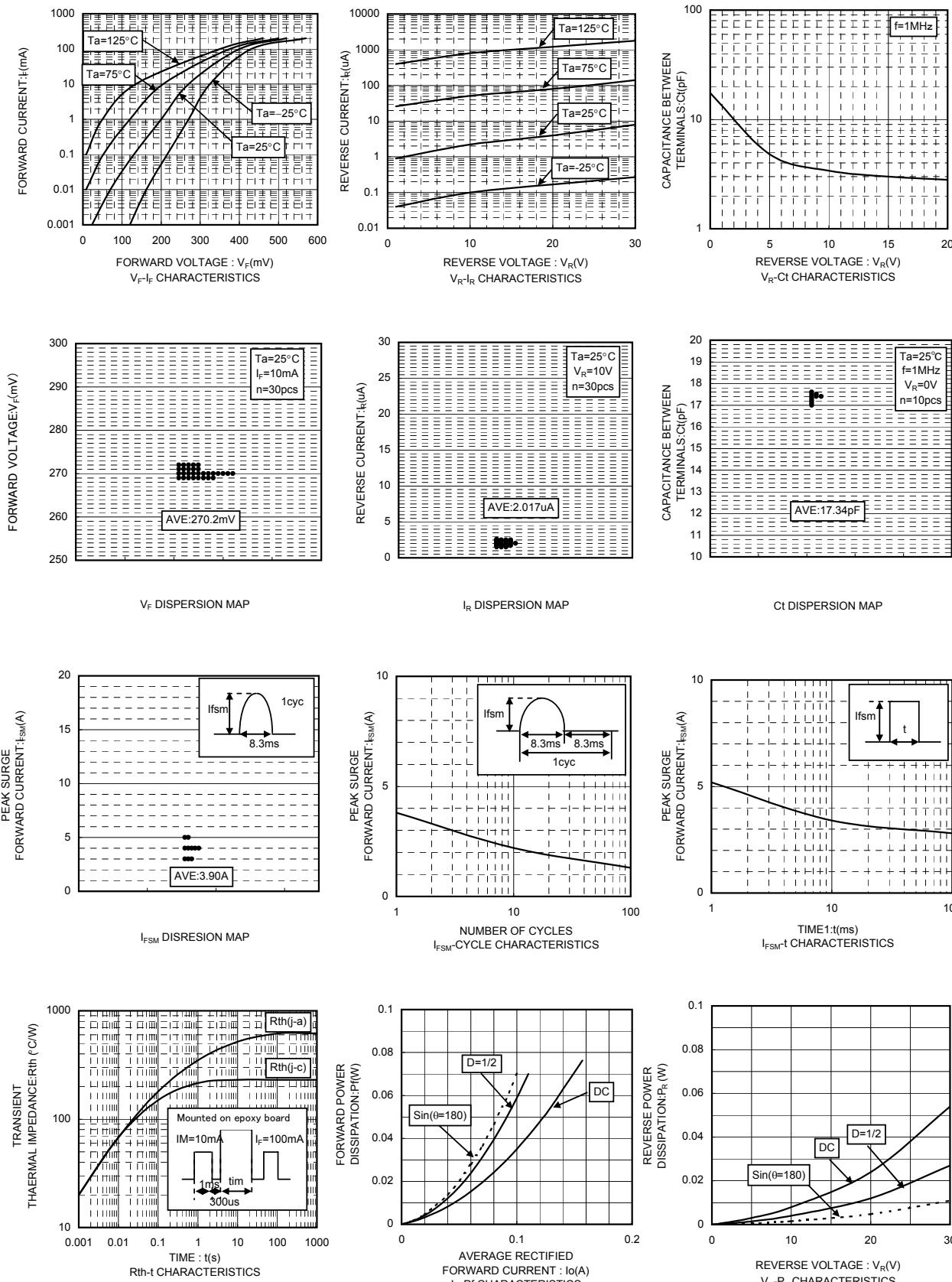
● Absolute maximum ratings (Ta=25°C)

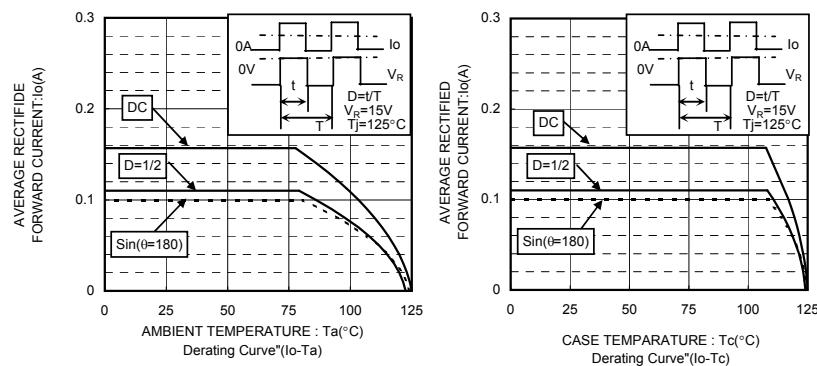
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	100	mA
Forward current surge peak (60Hz/1cyc)	I_{FSM}	500	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

● Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.35	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	10	μA	$V_R=10\text{V}$

● Electrical characteristic curves





Notes

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