

# Schottky Barrier Diode

## RB521S-30

### ●Applications

General rectification

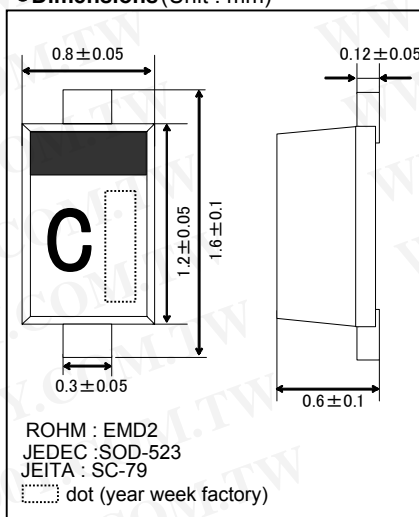
### ●Features

- 1) Ultra small mold type. (EMD2)
- 2) Low  $V_F$
- 3) High reliability

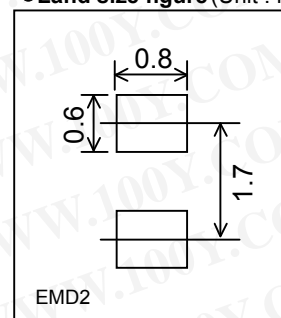
### ●Construction

Silicon epitaxial planar

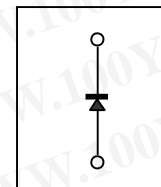
### ●Dimensions (Unit : mm)



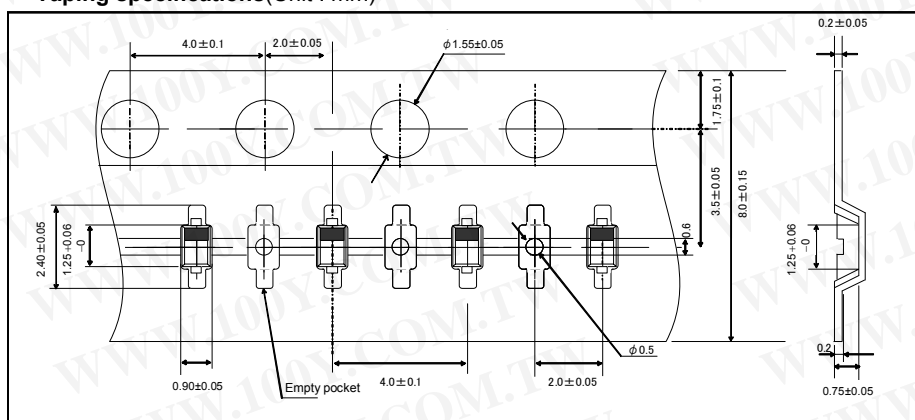
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



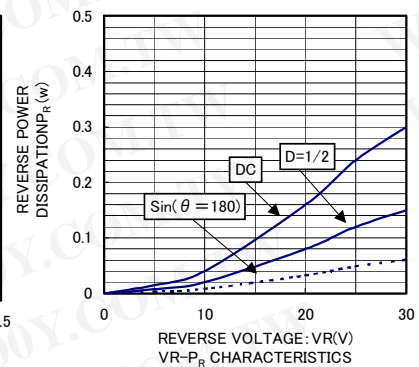
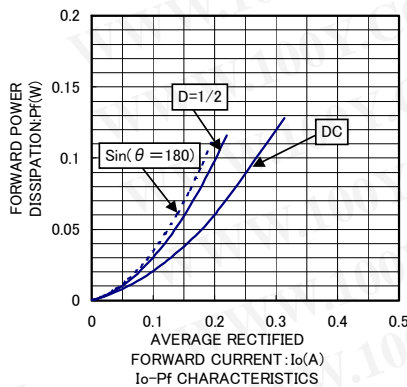
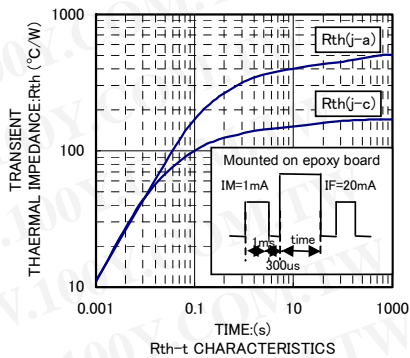
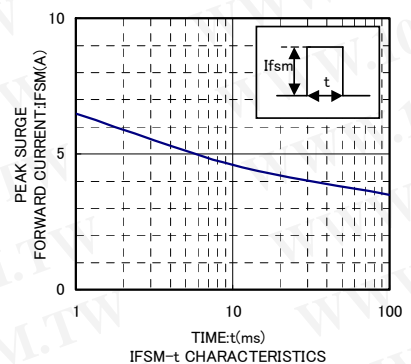
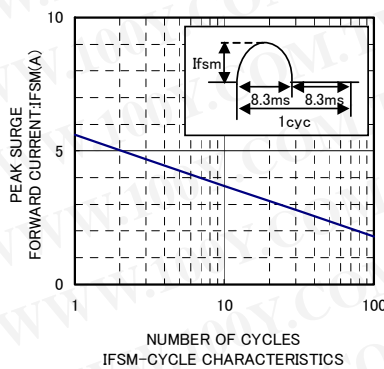
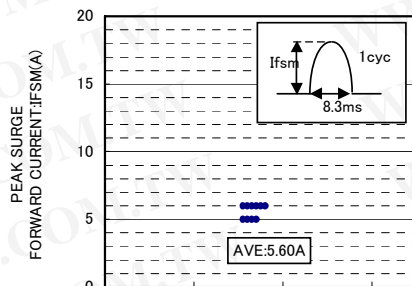
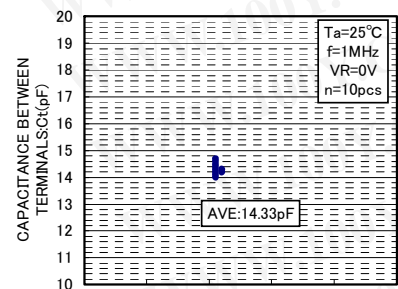
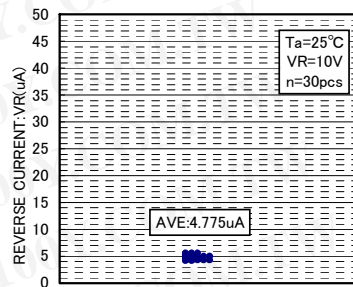
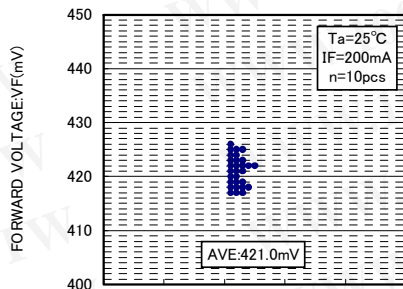
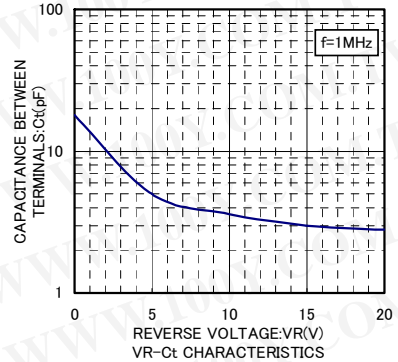
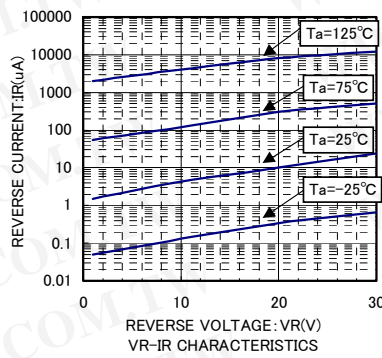
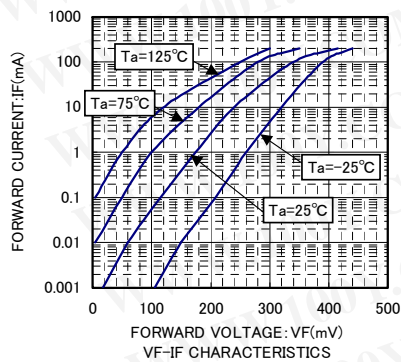
### ●Absolute maximum ratings ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_O$	200	mA
Forward current surge peak (60Hz · 1cyc)	$I_{FSM}$	1	A
Junction temperature	$T_J$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

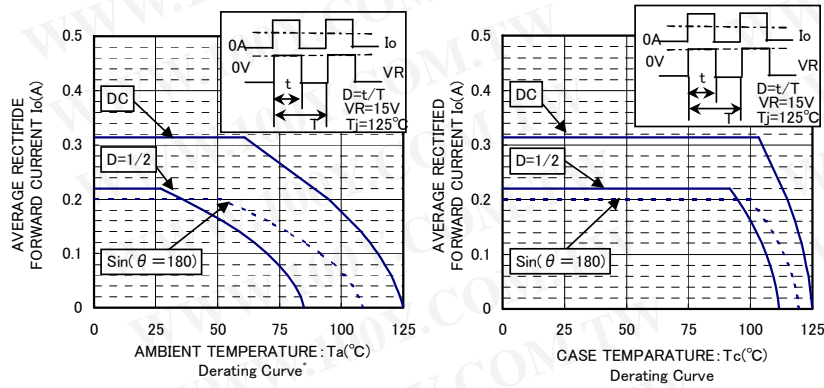
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### ●Electrical characteristics ( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.50	V	$I_F=200\text{mA}$
Reverse current	$I_R$	-	-	30	$\mu\text{A}$	$V_R=10\text{V}$



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