

# Schottky barrier diode

# RB520S-30

## ●Applications

### Low current rectification

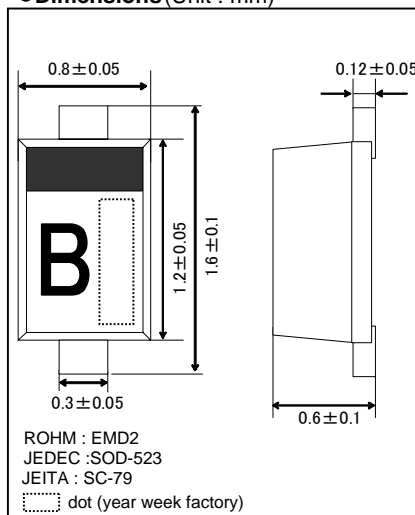
## ●Features

- 1) Ultra Small mold type. (EMD2)
- 2) Low  $I_R$ .
- 3) High reliability.

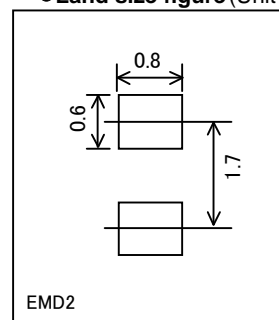
## ●Construction

Silicon epitaxial planar

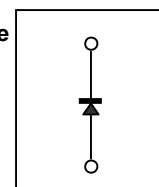
● **Dimensions** (Unit : mm)



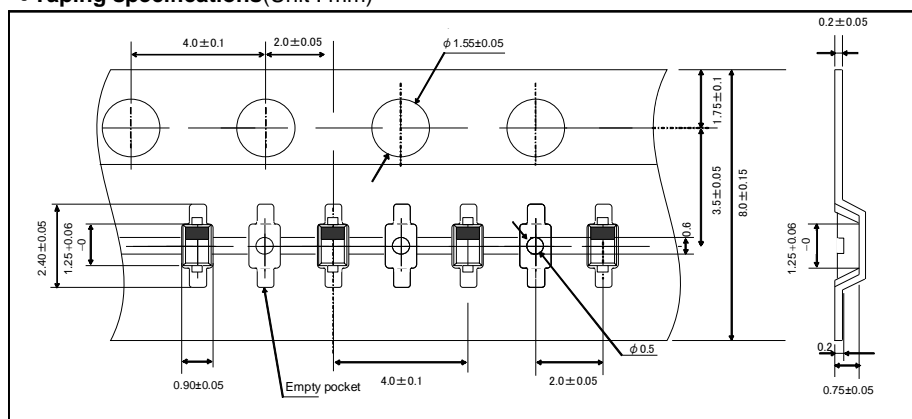
●Land size figure (Unit : mm)



### ● Structure



●Taping specifications(Unit : mm)

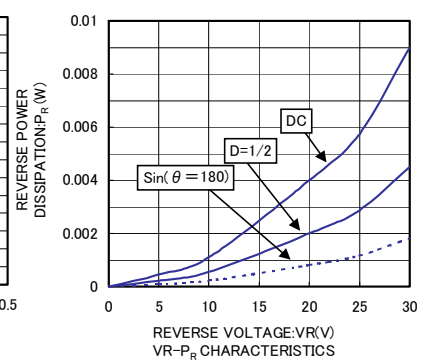
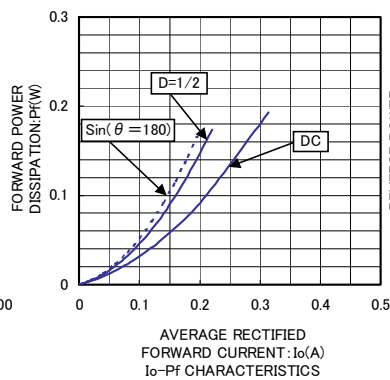
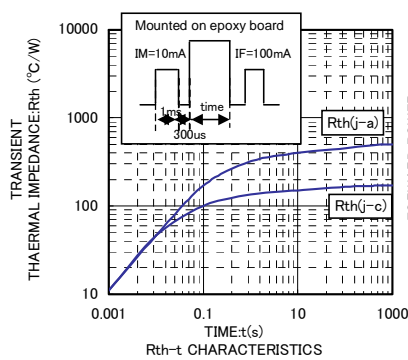
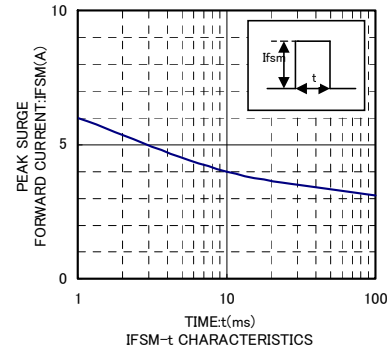
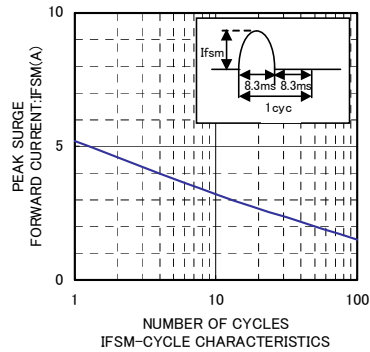
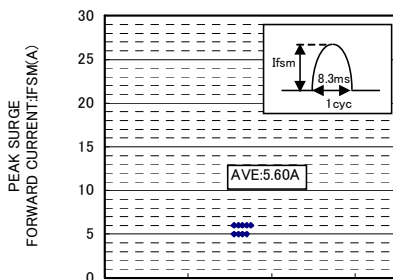
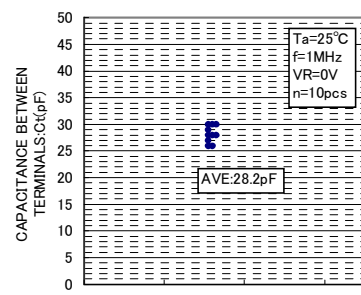
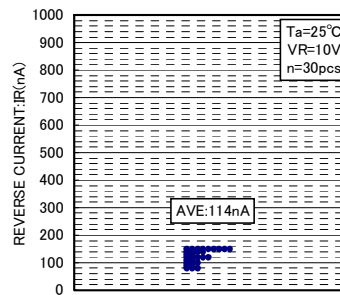
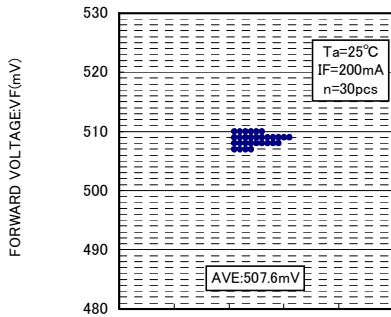
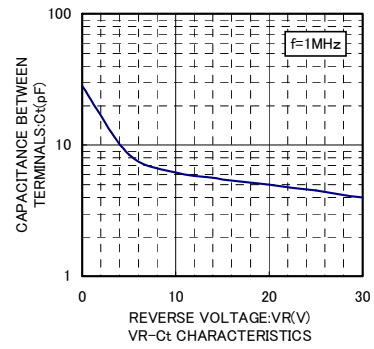
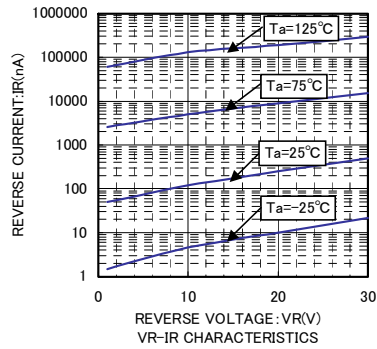
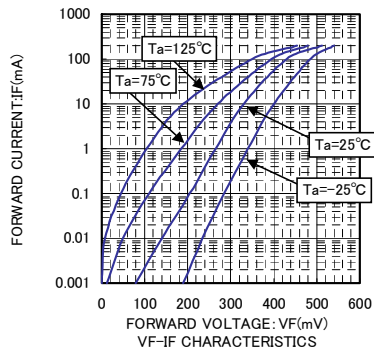


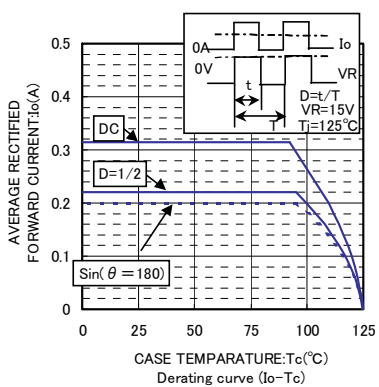
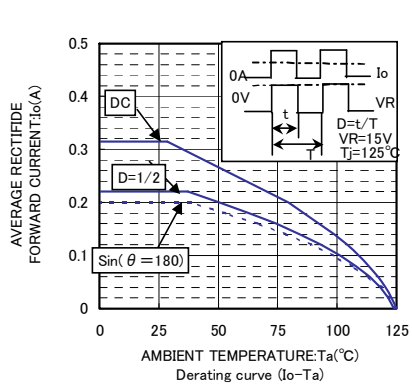
●Absolute maximum ratings(Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	$I_o$	200	mA
Forward current surge peak (60Hz· 1cyc)	$I_{FSM}$	1	A
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	$V_F$	-	-	0.6	V	$I_F=200\text{mA}$
Reverse current	$I_R$	-	-	1	$\mu\text{A}$	$V_R=10\text{V}$





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