

# Schottky barrier diode

## RB520S-30

**●Applications**

Low current rectification

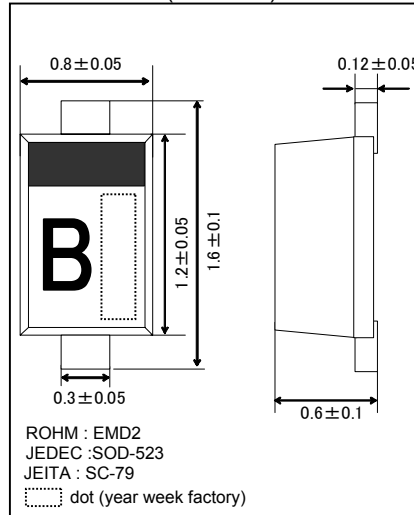
**●Features**

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

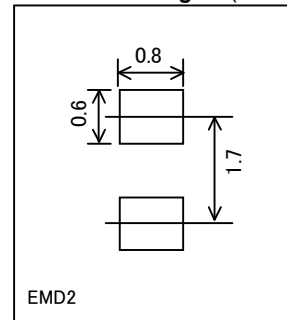
**●Construction**

Silicon epitaxial planar

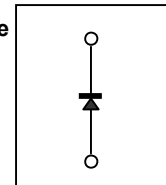
**●Dimensions (Unit : mm)**



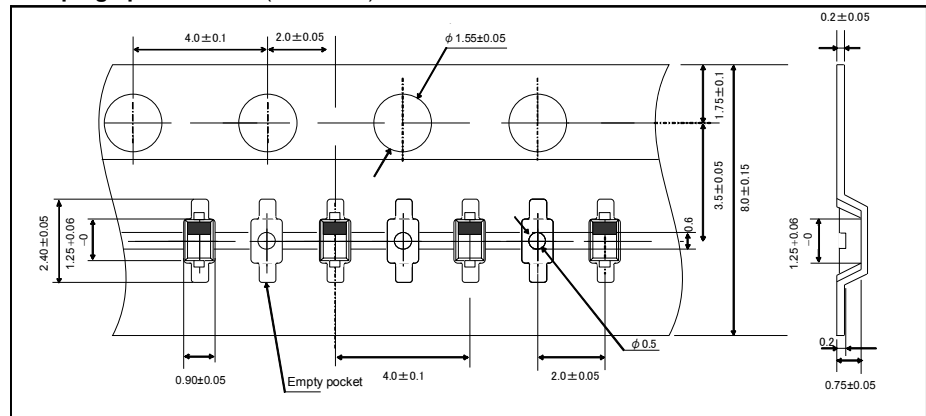
**●Land size figure (Unit : mm)**



**●Structure**



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

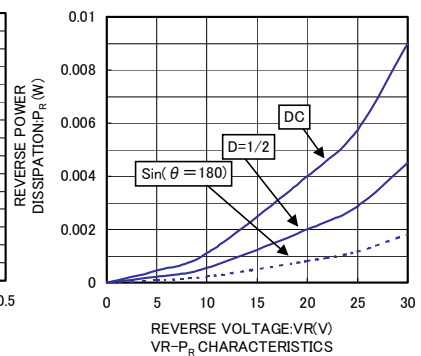
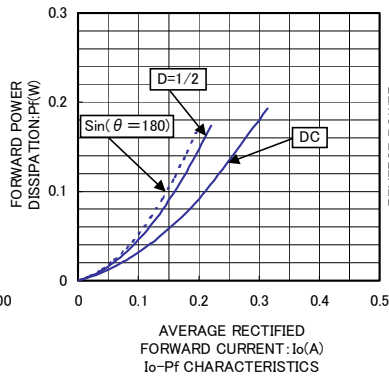
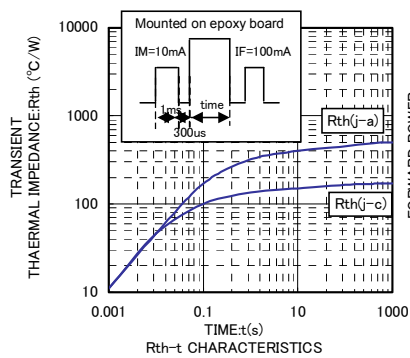
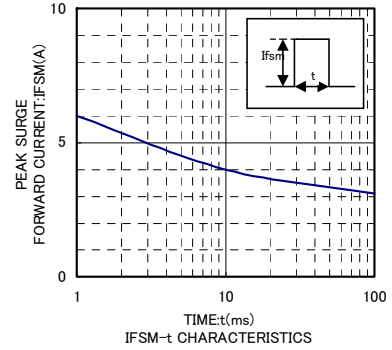
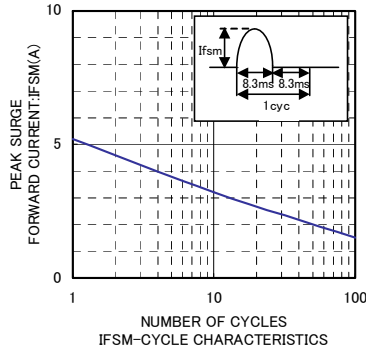
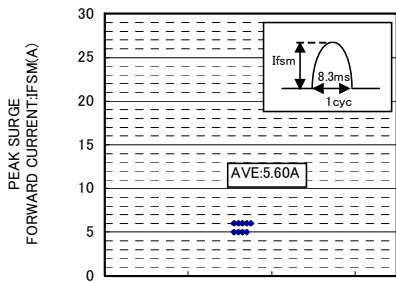
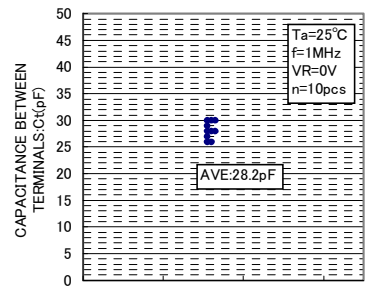
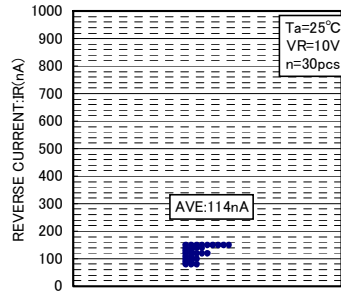
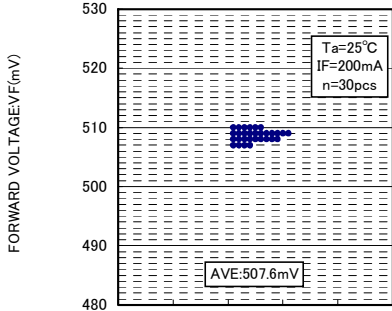
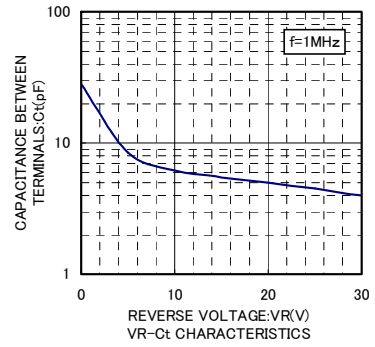
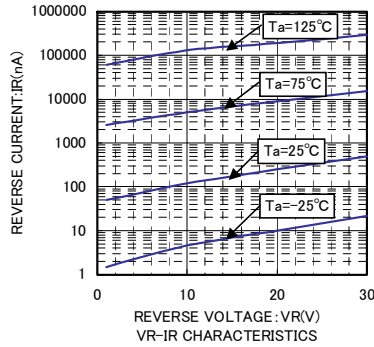
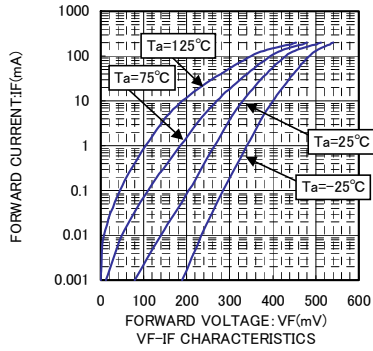


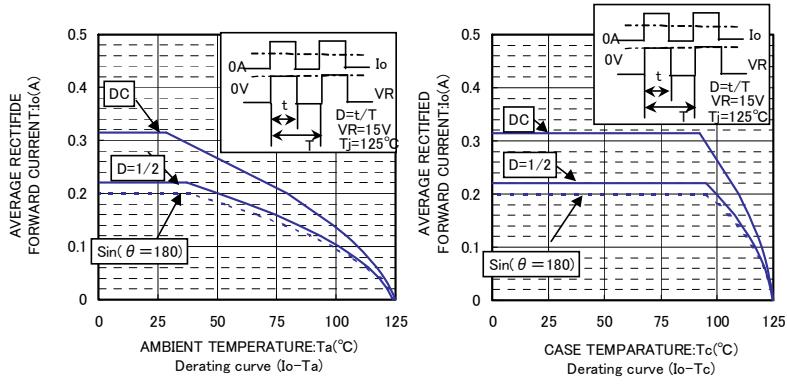
**●Absolute maximum ratings (Ta=25°C)**

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	$I_F=200mA$
Reverse current	$I_R$	-	-	1	$\mu A$	$V_R=10V$





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