

# Schottky barrier diode

## RB520S-30

●Applications

Low current rectification

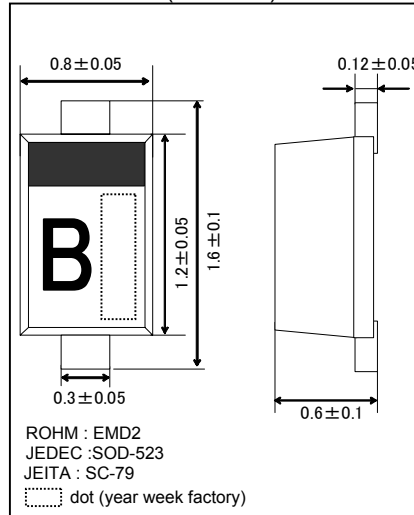
●Features

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

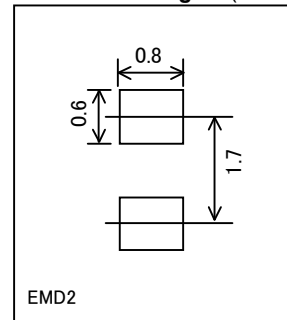
●Construction

Silicon epitaxial planar

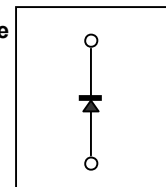
●Dimensions (Unit : mm)



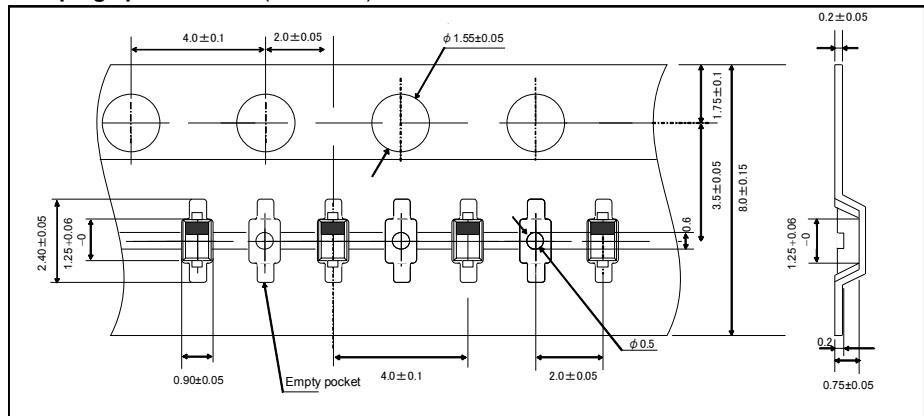
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)

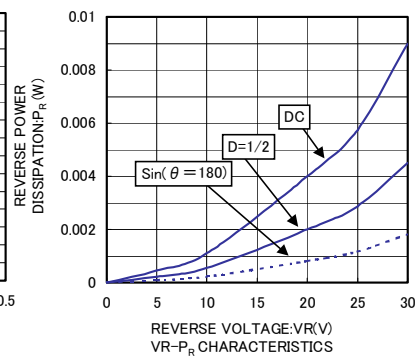
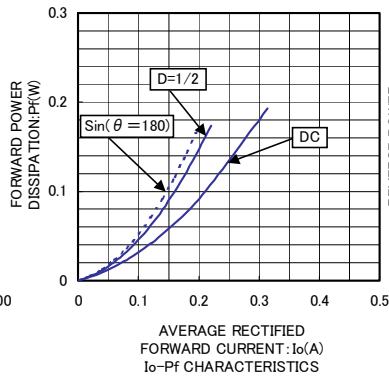
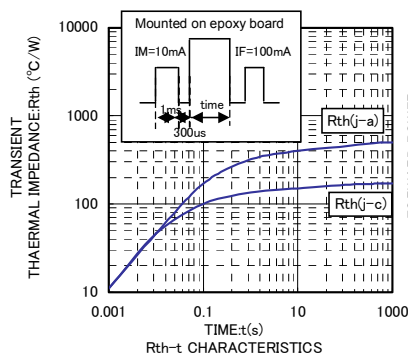
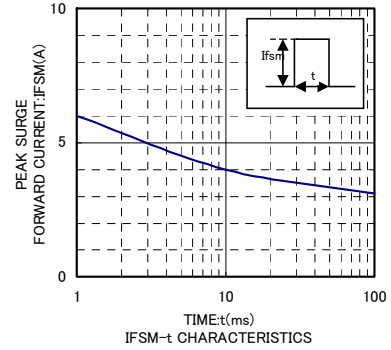
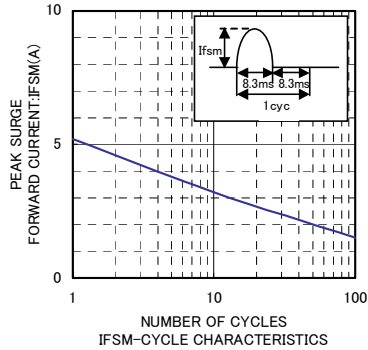
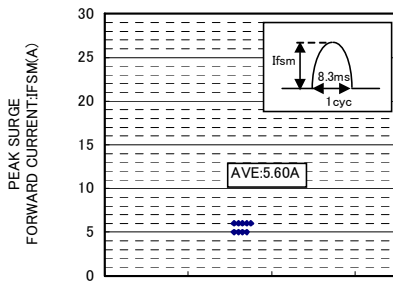
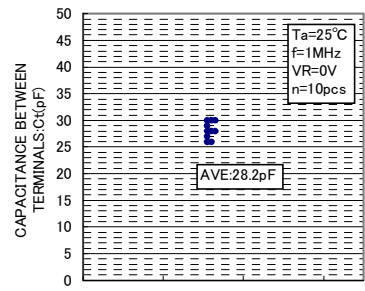
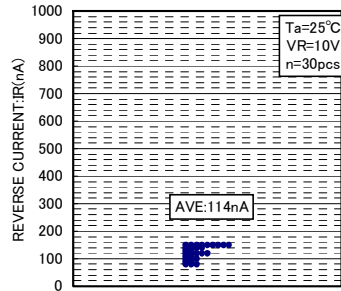
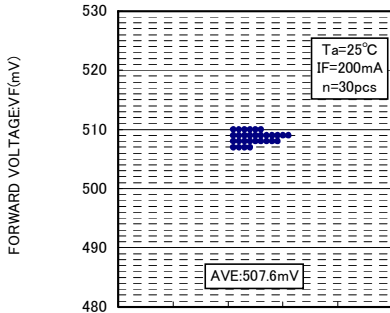
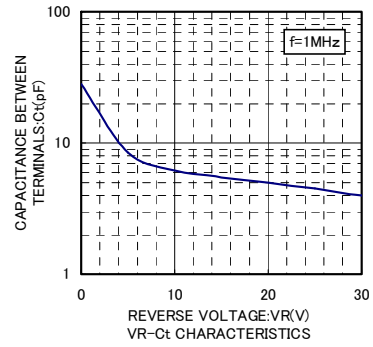
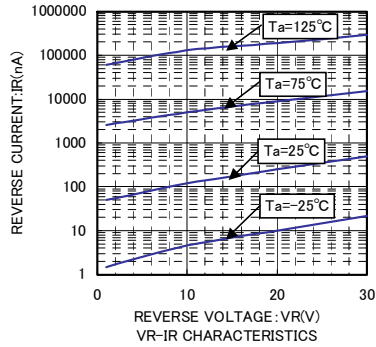
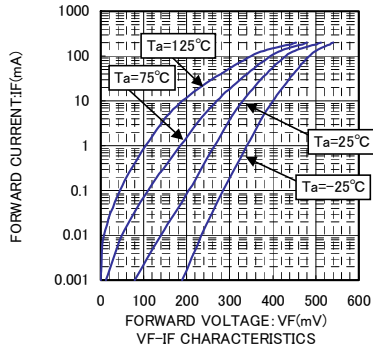


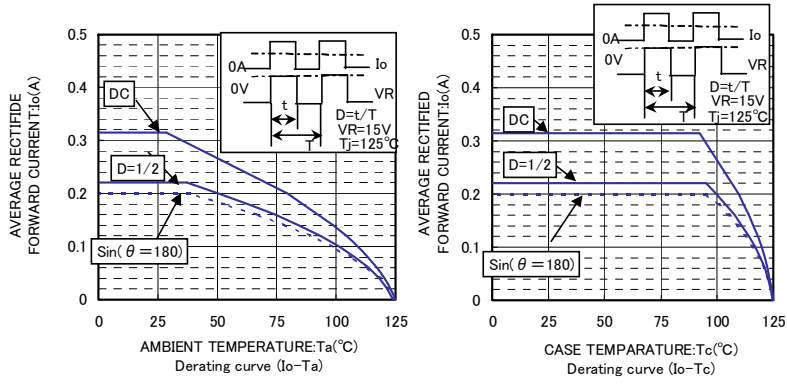
●Absolute maximum ratings ( $T_a=25^\circ\text{C}$ )

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	$^\circ\text{C}$

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

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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