

Schottky barrier diode

RB520S-30

● Applications

Low current rectification

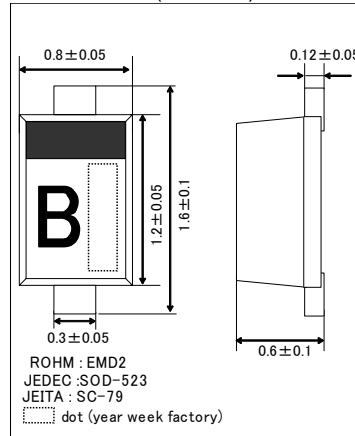
● Features

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

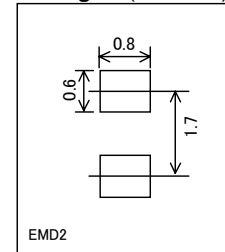
● Construction

Silicon epitaxial planar

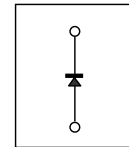
● Dimensions (Unit : mm)



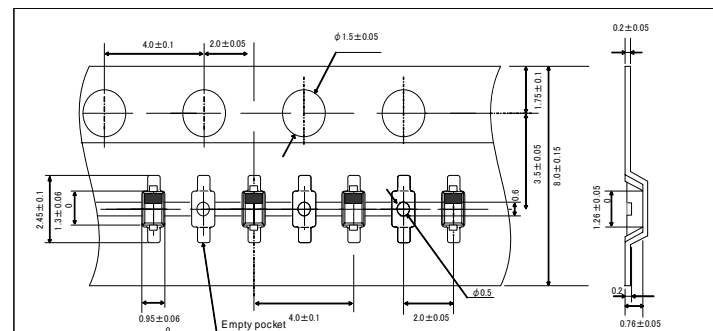
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)

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

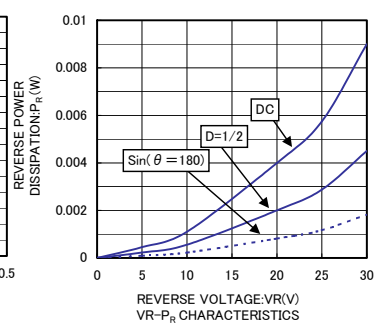
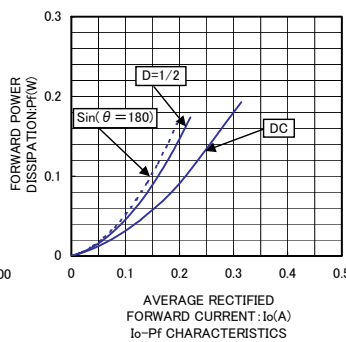
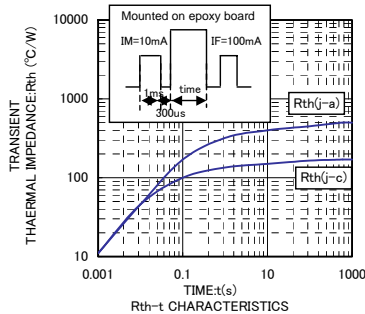
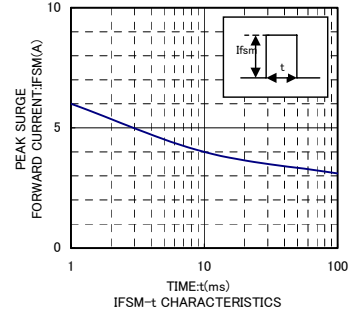
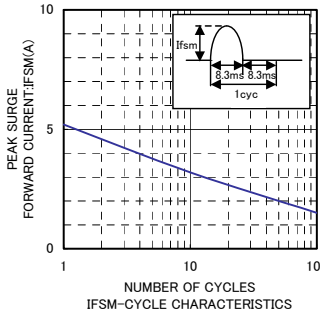
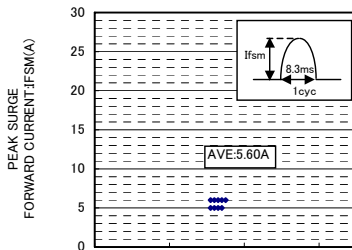
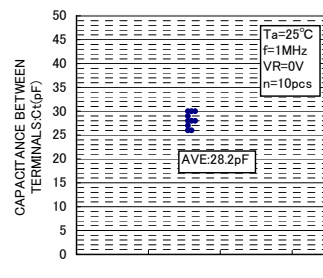
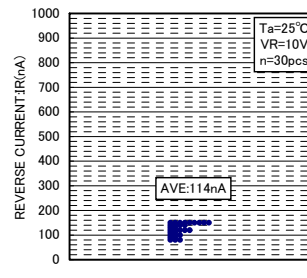
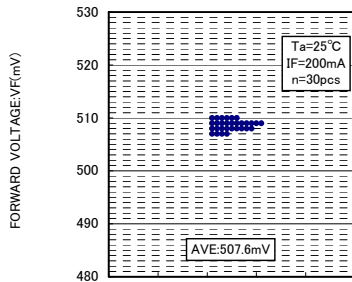
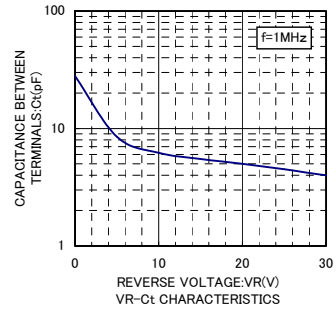
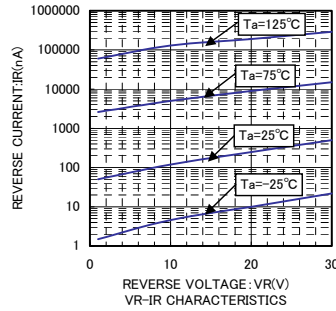
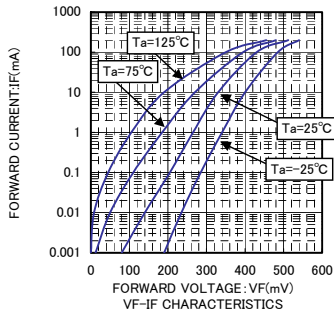
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	200	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	1	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

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

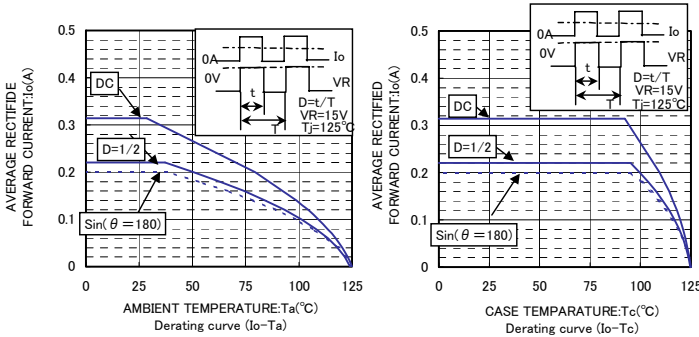
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.6	V	$I_F=200\text{mA}$
Reverse current	I_R	-	-	1	μA	$V_R=10\text{V}$

Diodes

● Electrical characteristic curves (Ta=25°C)



Diodes



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