

Schottky barrier diode

RB520S-30

●Applications

Low current rectification

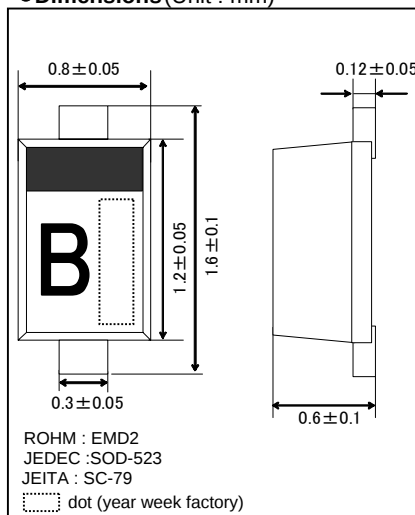
●Features

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

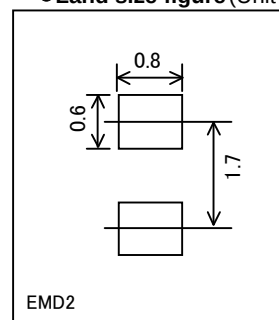
●Construction

Silicon epitaxial planar

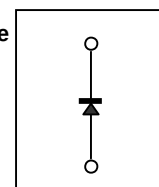
● **Dimensions** (Unit : mm)



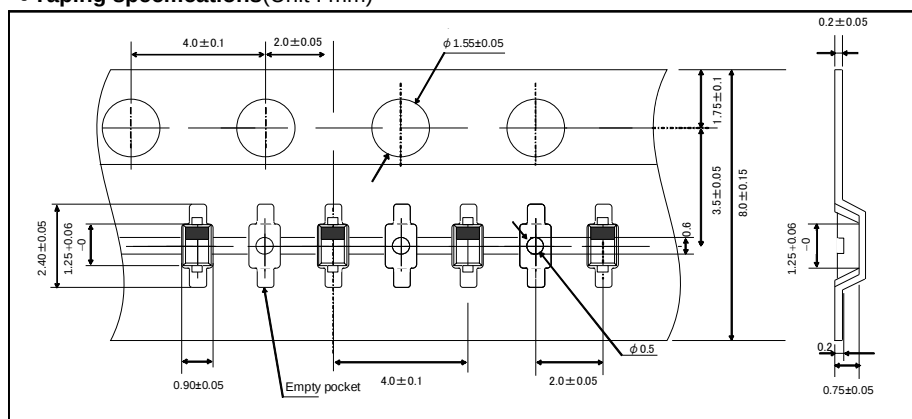
●Land size figure (Unit : mm)



● Structure



●Taping specifications(Unit : mm)

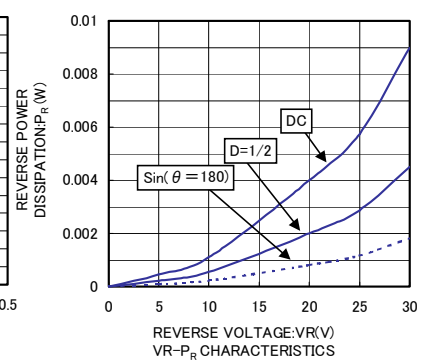
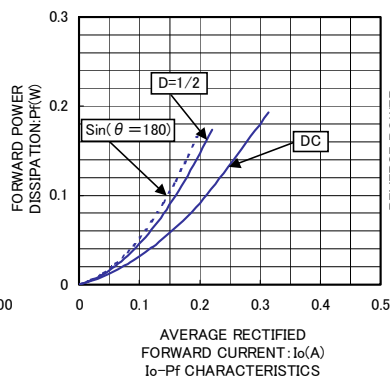
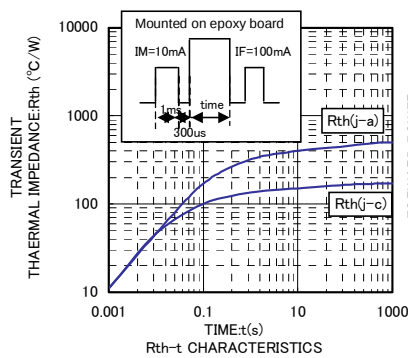
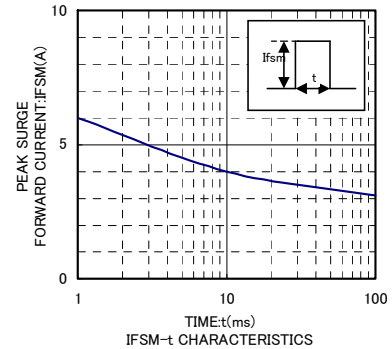
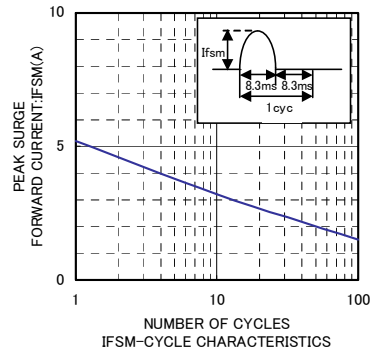
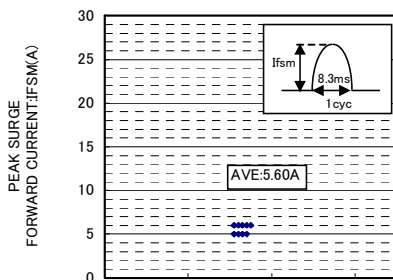
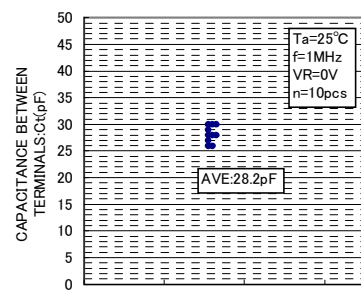
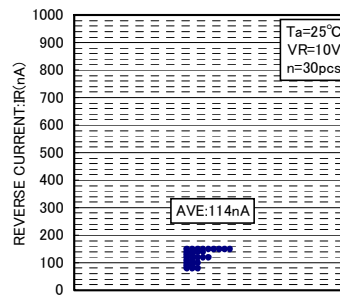
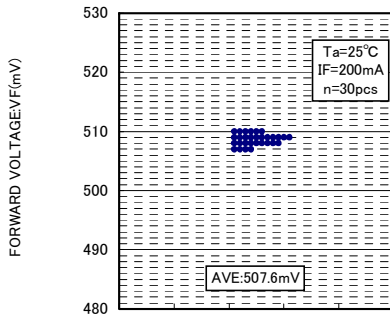
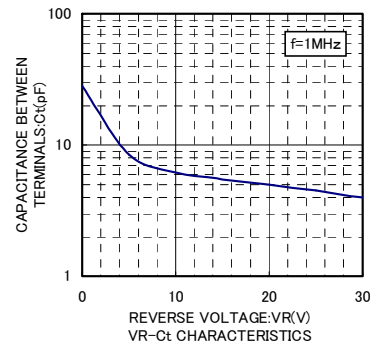
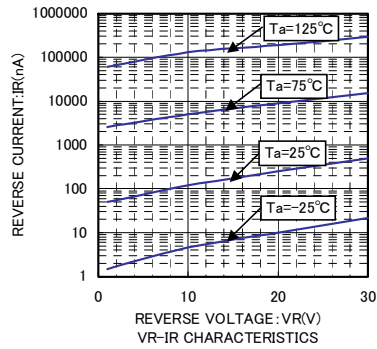
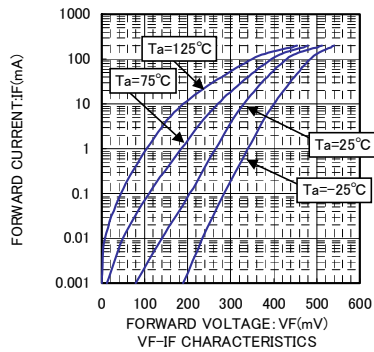


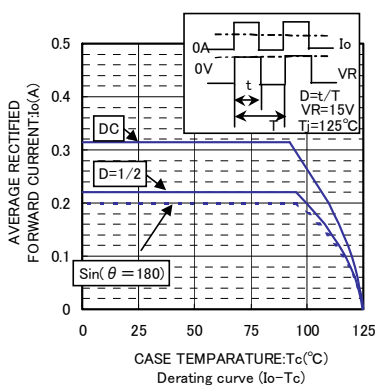
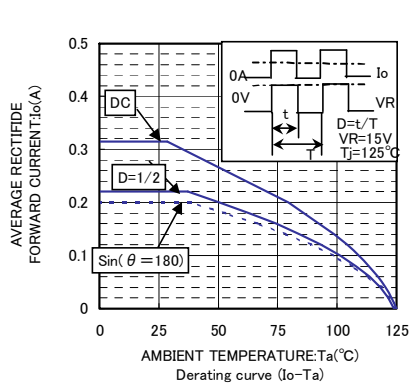
●Absolute maximum ratings($T_a=25^{\circ}\text{C}$)

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	°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	μA	$V_R=10\text{V}$





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