# Schottky barrier diode RB520S-30

## Applications

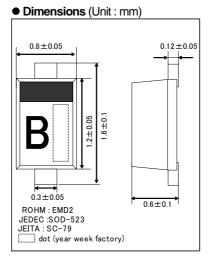
Low current rectification

## ● Features

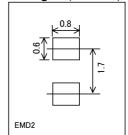
- 1) Ultra Small mold type. (EMD2)
- 2) Low I<sub>R</sub>.
- 3) High reliability.

### Construction

Silicon epitaxial planar



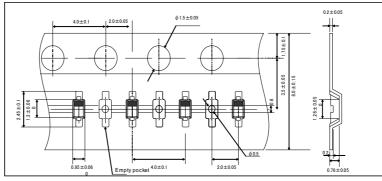
## • Land size figure (Unit : mm)



Structure



## • Taping specifications (Unit : mm)



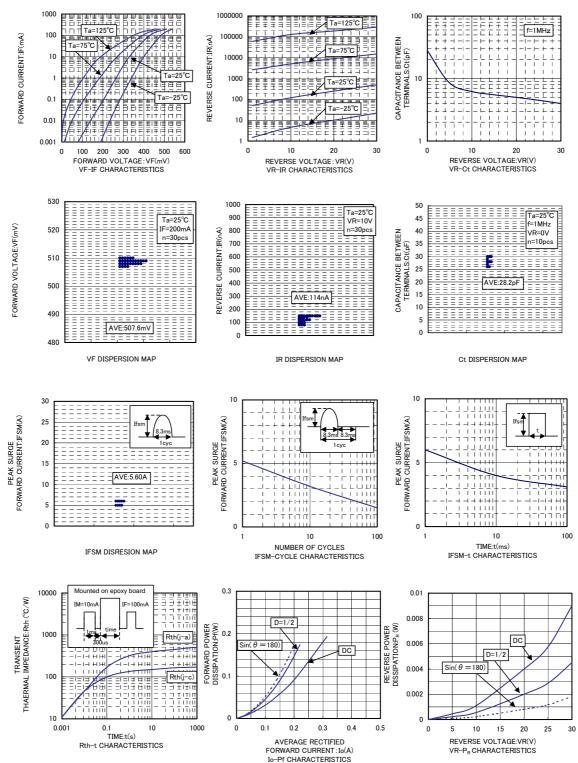
## ● Absolute maximum ratings (Ta=25°C)

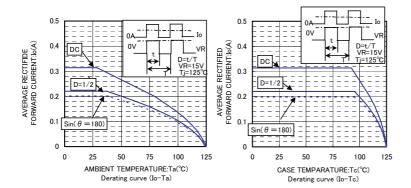
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	lo	200	mA
Forward current surge peak (60Hz•1cyc)	I <sub>FSM</sub>	1	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

## ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.6	V	I <sub>F</sub> =200mA
Reverse current	I <sub>R</sub>	-	-	1	μΑ	V <sub>R</sub> =10V

# ●Electrical characteristic curves (Ta=25°C)





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