

# Schottky barrier Diode

## **RB530S-30**

#### Applications

General rectification

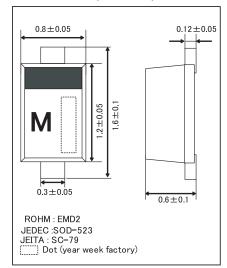
#### ● Features

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

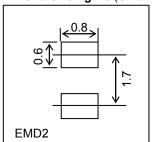
#### ●Construction

Silicon epitaxial planer

#### ●Dimensions (Unit : mm)

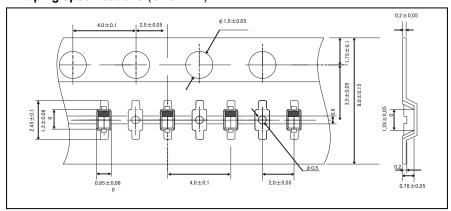


#### ●Land size figure (Unit : mm)





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

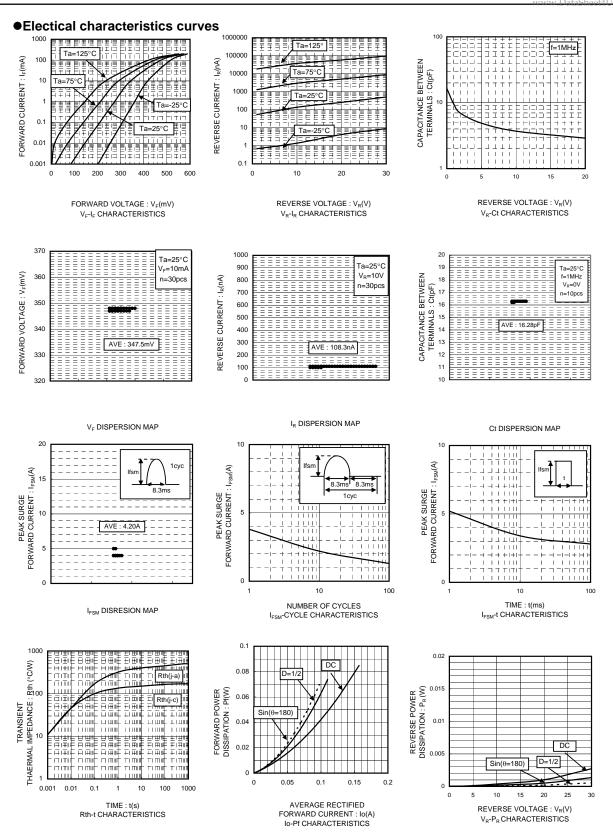


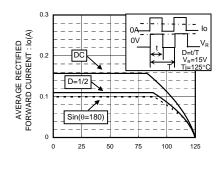
## ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current	lo	100	mA
Forward current surge peak (60Hz/1cyc)	I <sub>FSM</sub>	500	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

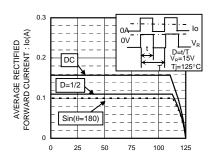
#### ●Electical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.45	V	I <sub>F</sub> =10mA
Reverse current	$I_R$	-	-	0.5	μA	V <sub>R</sub> =10V









CASE TEMPARATURE : Tc(°C)
Derating Curve"(Io-Tc)

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