# Schottky barrier diode RB520S-40

Applications

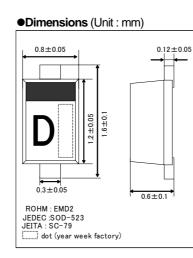
Rectifying small power

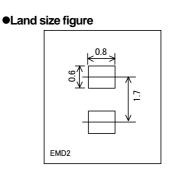
## Features

 Ultra small power mold type. (EMD2)
 Low IR
 High reliability

#### Construction

Silicon epitaxial planer

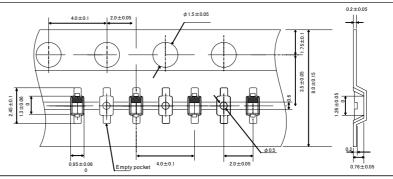




Structure



#### •Taping dimensions (Unit : mm)



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

Parameter	Symbol	Limits	Unit			
Reverse voltage (repetitive peak)	V <sub>RM</sub>	40	V			
Reverse voltage (DC)	V <sub>R</sub>	40	V			
Average rectified forward current	lo	200	mA			
Forward current surge peak	I <sub>FSM</sub>	1	А			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	S			

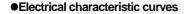
#### •Electrical characteristic (Ta=25°C)

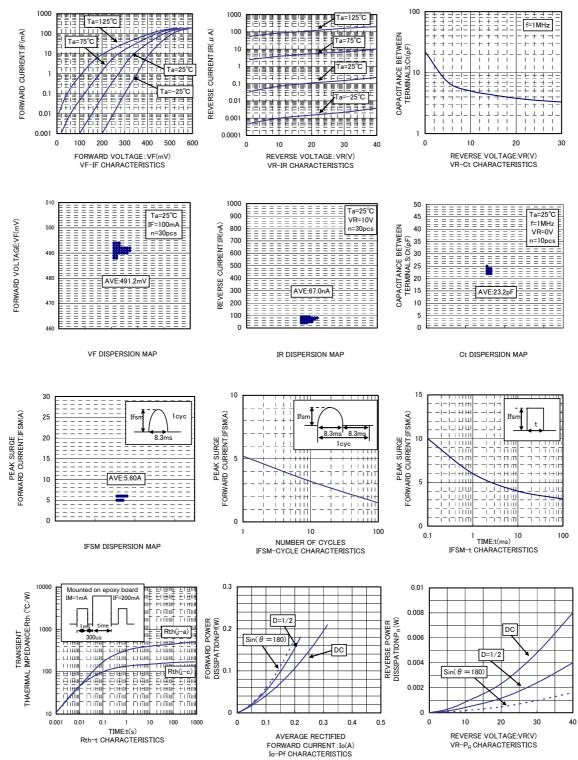
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	ŀ	0.39	V	I <sub>F</sub> =10mA
	V <sub>F</sub>	-	-	0.55	V	I <sub>F</sub> =100mA
Reverse current	I <sub>R</sub>	-	-	1	μA	V <sub>R</sub> =10V
	I <sub>R</sub>	-	-	10	μA	V <sub>R</sub> =40V



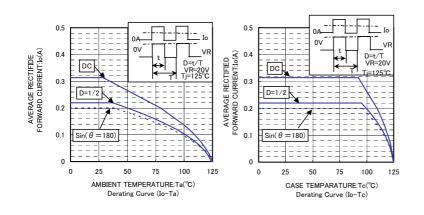
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#### Diodes





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Appendix1-Rev2.0

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