# Shottky barrier diode

# **RB491D**

#### Application

Low current rectification

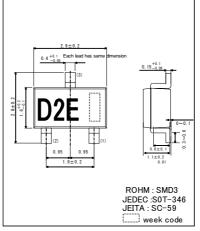
#### Features

- 1) Small mold type. (SMD3)
- 2) Low IR
- 3) High reliability.

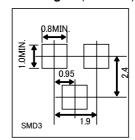
## ●Structure

Silicon epitaxial planar

#### ●External dimensions (Unit : mm)



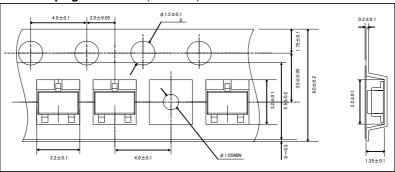
### ●Lead size figure (Unit : mm)



●Structure



#### ● Taping dimensions (Unit: mm)



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

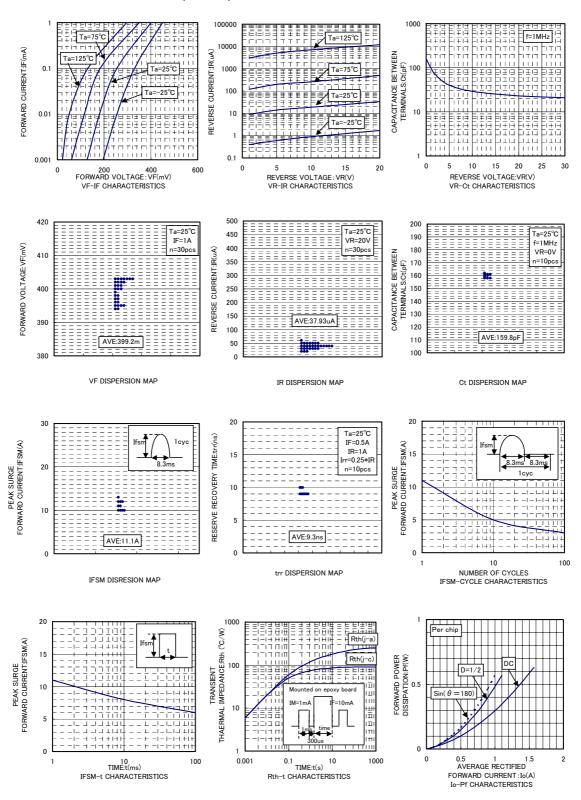
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	25	V
Reverse voltage (DC)	$V_R$	20	V
Average rectified forward current (*1)	lo	1	Α
Forward current surge peak (60Hz • 1cyc)(*1)	I <sub>FSM</sub>	3	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

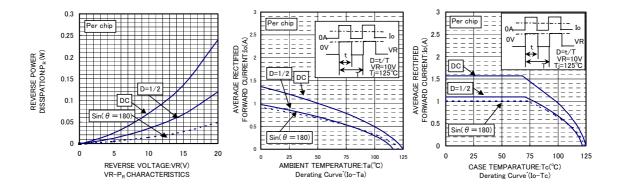
<sup>(\*1)</sup>Rating of per diode

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

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_{F}$	-	-	0.45	V	I <sub>F</sub> =1A
Reverse current	$I_R$	-	-	200	μΑ	V <sub>R</sub> =20V

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





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