# Schottky barrier diode

# **RB421D**

## Applications

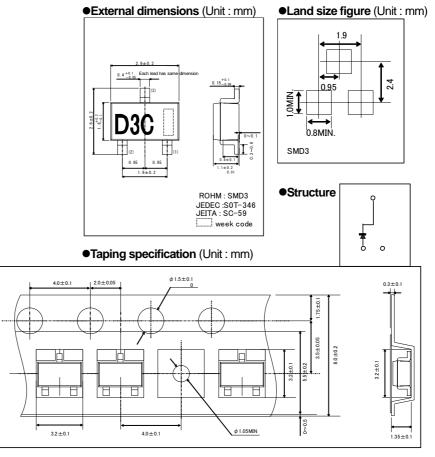
Low power rectification

#### Features

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

### ●Construction

Silicon epitaxial planar



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

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

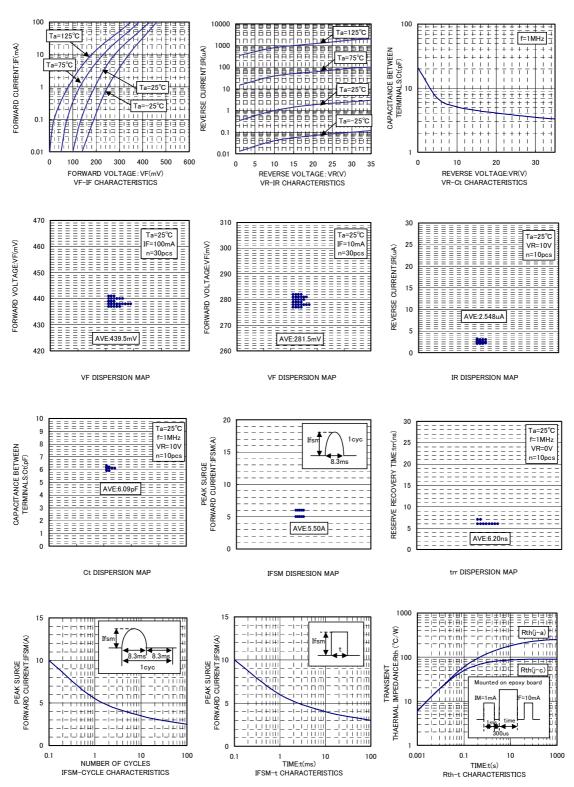
<sup>(\*1)</sup> Rating of per diode

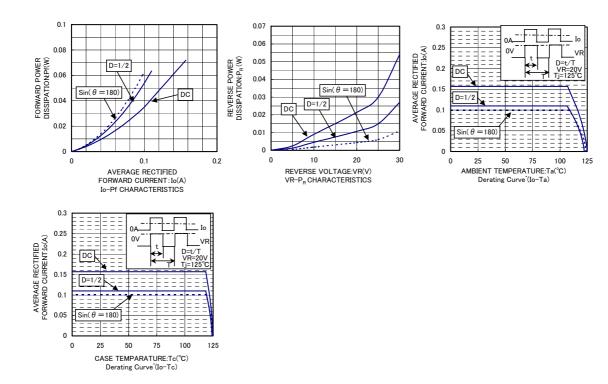
#### ● Electrical characteristics (Ta = 25°C)

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Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions		
Forward voltage	V <sub>F</sub> 1	-	-	0.55	V	I <sub>F</sub> =100mA		
	V <sub>F</sub> 2	-	-	0.34	V	I <sub>F</sub> =10mA		
Reverse current	I <sub>R</sub> 1	-	-	30	μA	V <sub>R</sub> =10V		
Capacitance between terminals	Ct1	-	6	-	pF	V <sub>R</sub> =10V , f=1MHz		

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





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