# Schottky barrier diodes

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# Schottky Barrier Diode

### Applications

Low current rectification (cathode common twin model)

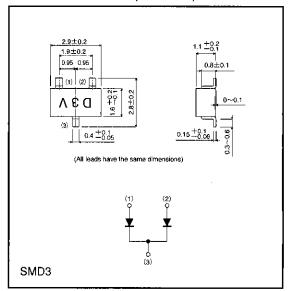
### Features

- 1)Compact mold model (SMD3)
- 2)High reliability
- 3)Two diodes with common cathode for excellent installation efficiency.

### Construction

Silicon epitaxial

## External dimensions (Units: mm)



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

Parameter	Symbol	Limits	Unit	
Peak reverse voltage	V <sub>RM</sub>	40	٧	
DC reverse voltage	Va	25	V	
Mean rectifying current *1	lo	0.4	А	
Peak forward surge current *2	Irsm	2	Α	
Junction temperature	Tj	125	°	
Storage temperature	Tstg	-40~+125	°C	
Operating temperature	Topr	-30~ <del>+</del> 85	င်	

<sup>\*1</sup> Mean output current per element; to  $\angle 2$ 

## ●Electrical characteristics (Ta=25℃)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	<b>V</b> F (1)	_	0.24	0.30	V	I==100mA
	VF (2)		0.38	0.50	٧	I <sub>F</sub> =200mA
Reverse current	l <sub>R</sub>	_	18	70	μΑ	V <sub>B</sub> =25V

<sup>\*</sup> Special precautions required concerning static electricity when being handled.

<sup>\*2 60</sup> Hz for 1 🛶

Diodes

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

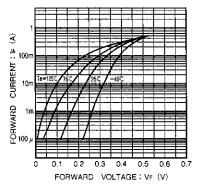


Fig. 1 Forward temperature characteristic

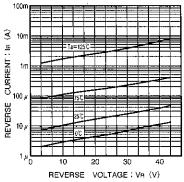


Fig. 2 Reverse temperature characteristic

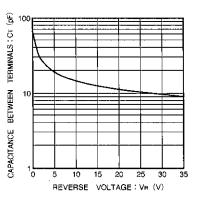


Fig. 3 Capacitance between terminals characteristic

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