

# Schottky barrier diode

## RB548W

### ●Application

Rectifying small power

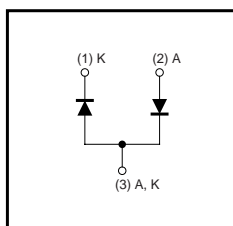
### ●Features

- 1) Extra small mold type. (EMD3)
- 2) High reliability.

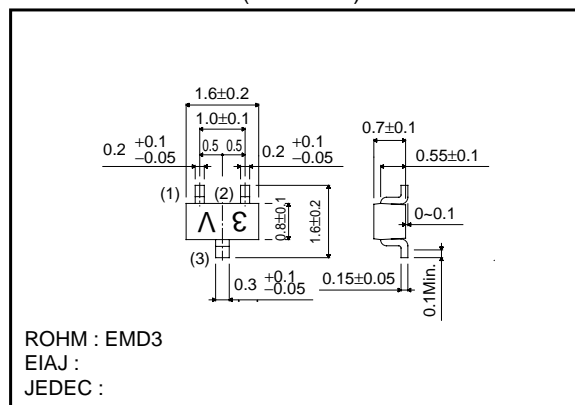
### ●Construction

Silicon epitaxial planer

### ●Circuit



### ●External dimensions (Units : mm)



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

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current *1	$I_o$	100	mA
Forward current surge peak *2	$I_{FSM}$	0.5	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

\*1 Rating of per diode

\*2 60Hz, 1cyc. Rating of per diode

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	—	—	0.450	V	$I_F=10\text{mA}$
Reverse current	$I_R$	—	—	0.5	$\mu\text{A}$	$V_R=10\text{V}$

\*Please pay attention to static electricity when handling.

●Electrical characteristic curves (Ta=25°C)

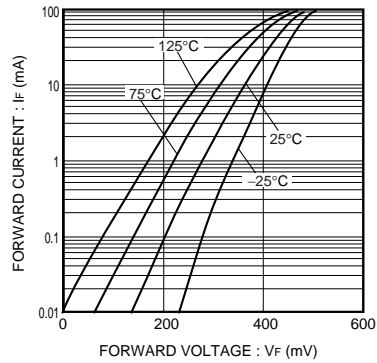


Fig. 1 Forward characteristics

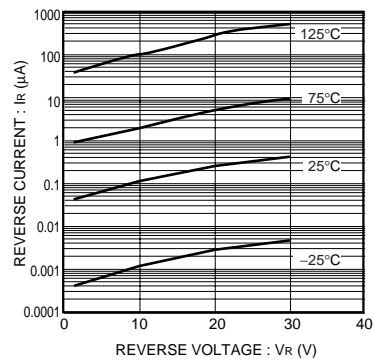


Fig. 2 Reverse characteristics

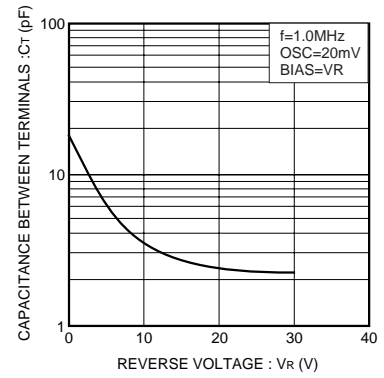


Fig. 3 Capacitance between terminals characteristics

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