

# Schottky barrier diode

## RB548W

**●Application**

Low current rectification

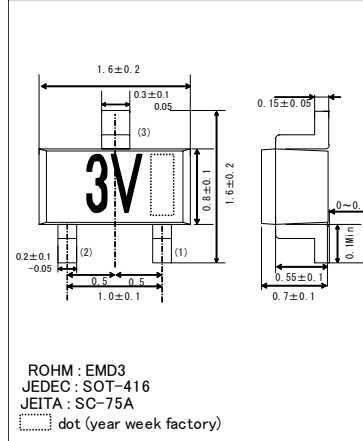
**●Features**

- 1) Ultra small mold type. (EMD3)
- 2) Low I<sub>r</sub>
- 3) High reliability.

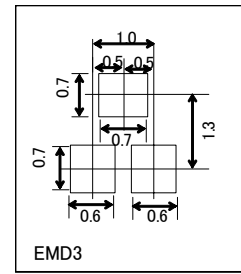
**●Construction**

Silicon epitaxial planear

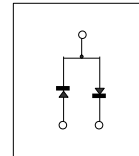
**●External dimensions (Unit : mm)**



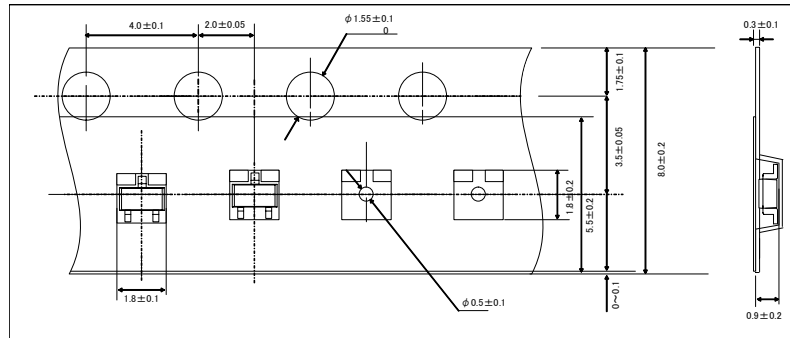
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping dimensions (Unit : mm)**



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

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V <sub>R</sub>	30	V
Average rectified forward current (*1)	I <sub>o</sub>	100	mA
Forward current surge peak (60Hz·1cyc) (*1)	I <sub>FSM</sub>	500	mA
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-40 to +125	°C

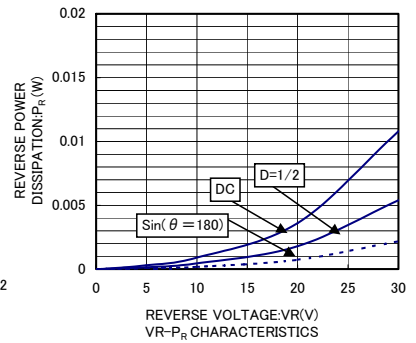
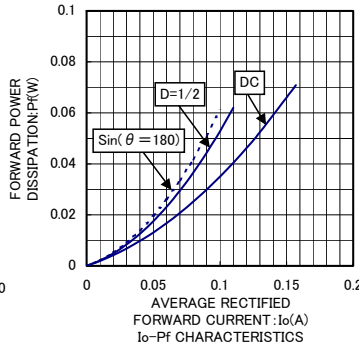
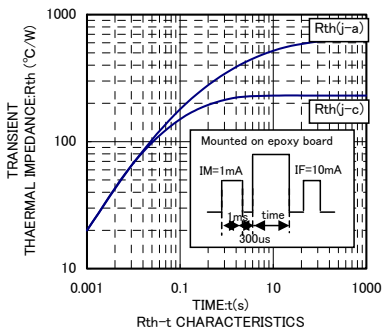
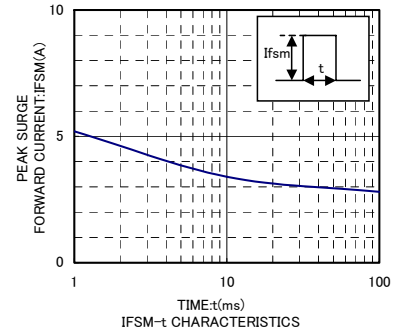
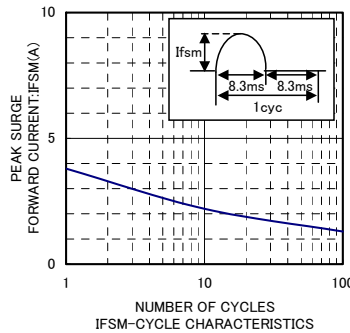
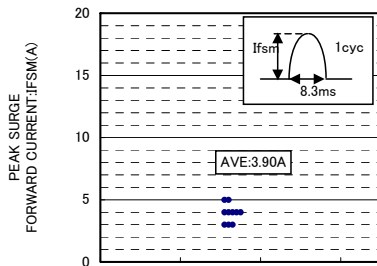
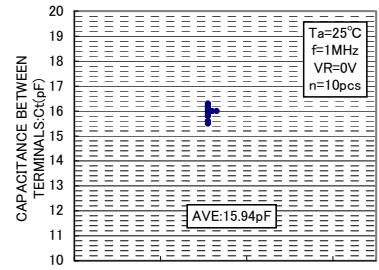
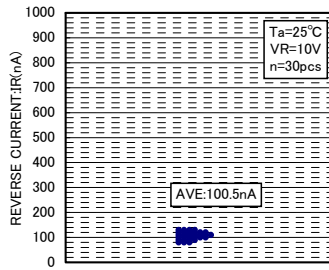
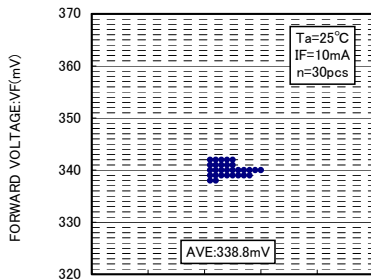
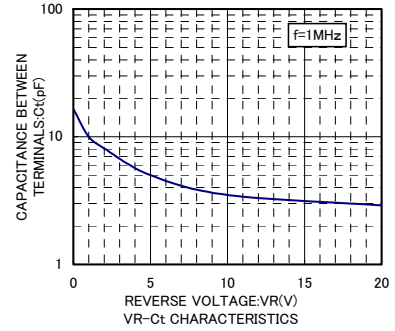
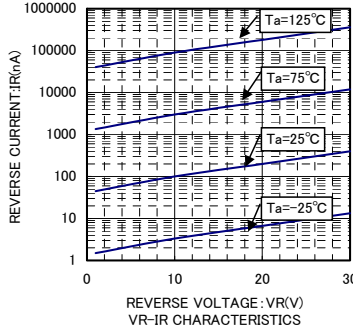
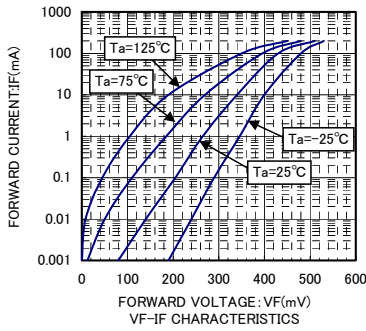
(\*1) Rating of per diode

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

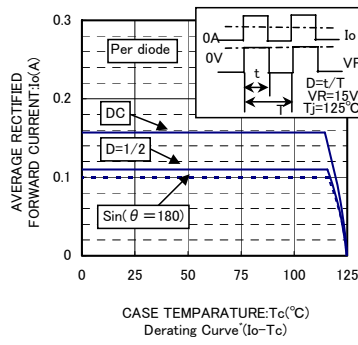
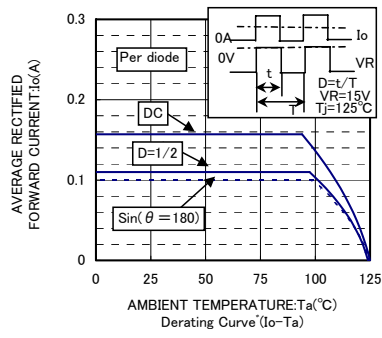
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.45	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	0.5	μA	V <sub>R</sub> =10V

Diodes

●Electrical characteristic curves (Ta=25°C)



Diodes



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