

# Shottky barrier diode

## RB548W

**●Applications**

Low current rectification

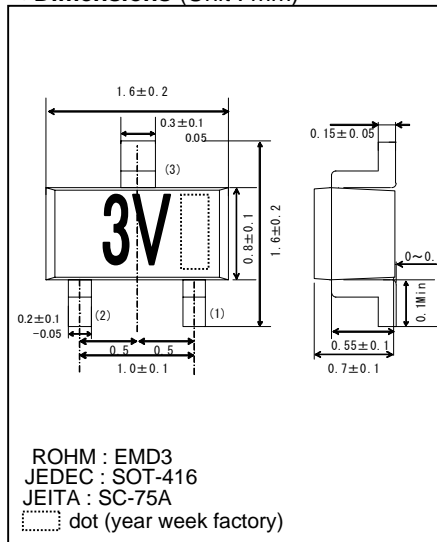
**●Features**

- 1) Ultra small power mold type. (EMD3)
- 2) Low  $I_R$
- 3) High reliability.

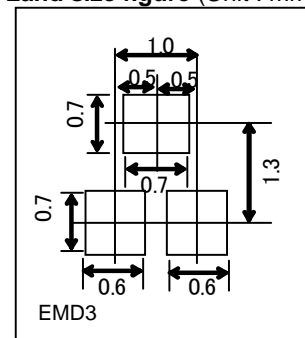
**●Construction**

Silicon epitaxial planar

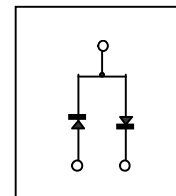
**●Dimensions (Unit : mm)**



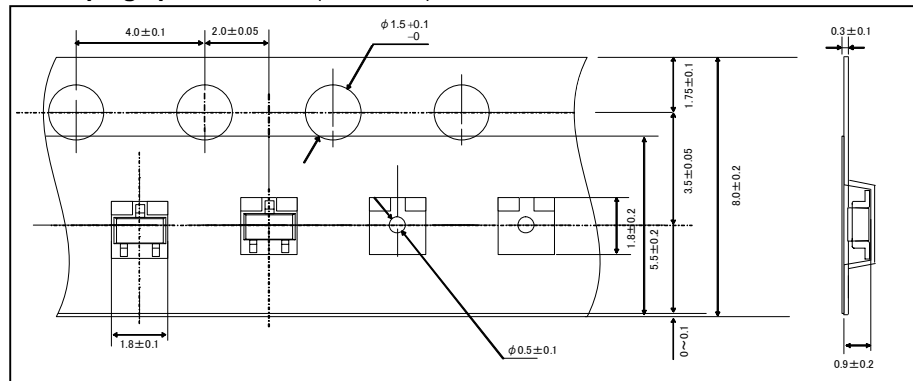
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**



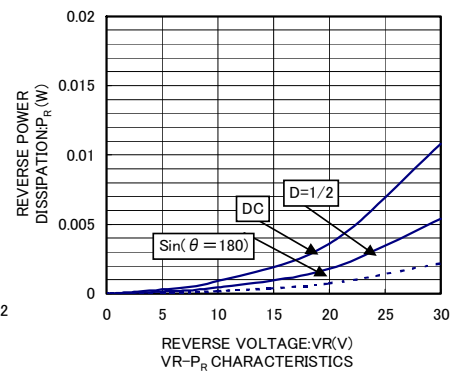
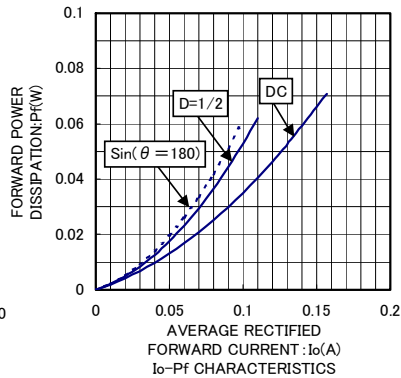
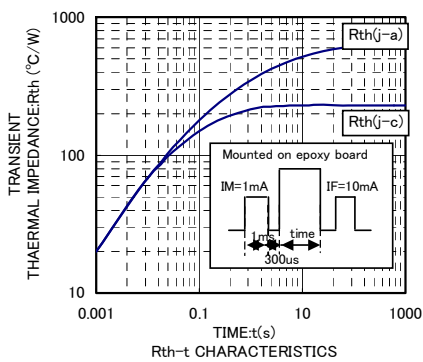
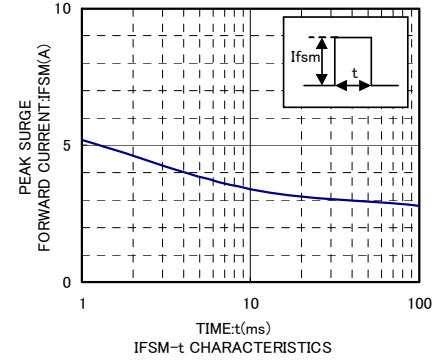
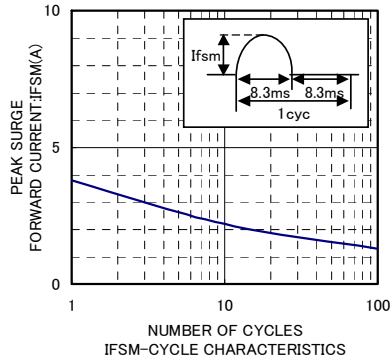
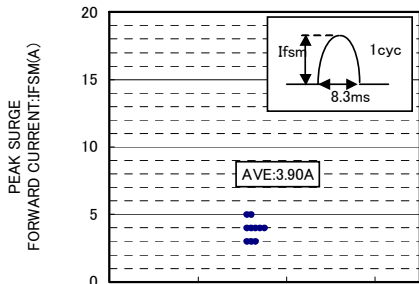
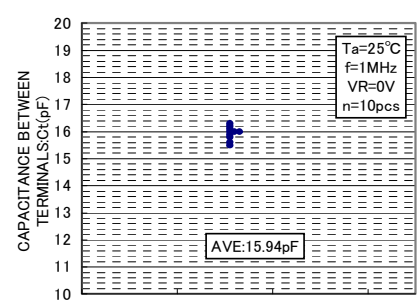
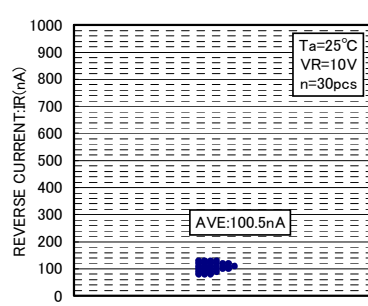
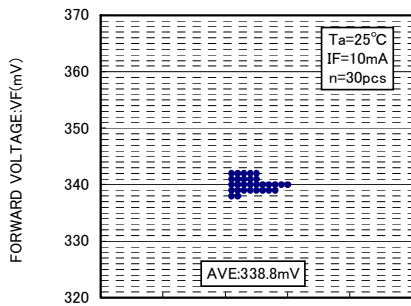
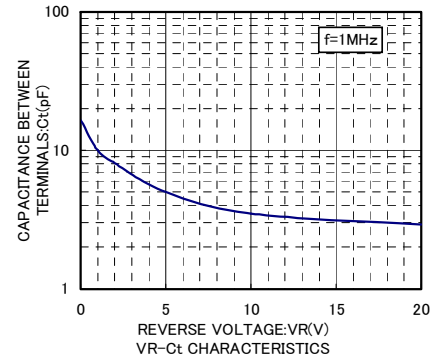
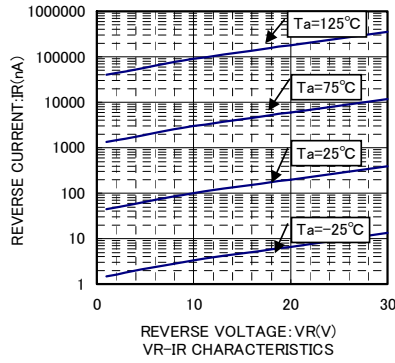
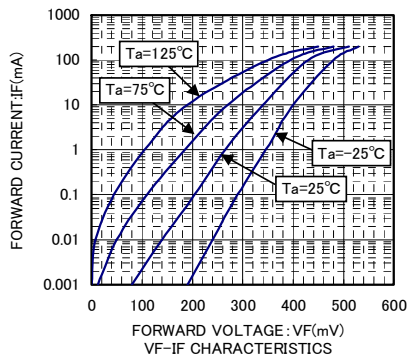
**●Absolute maximum ratings (Ta=25°C)**

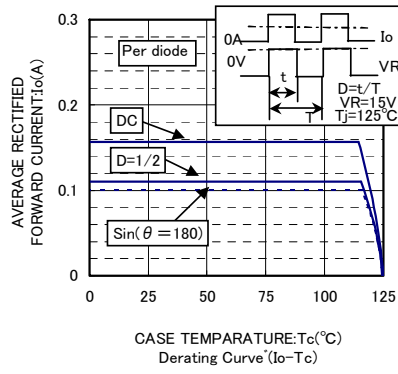
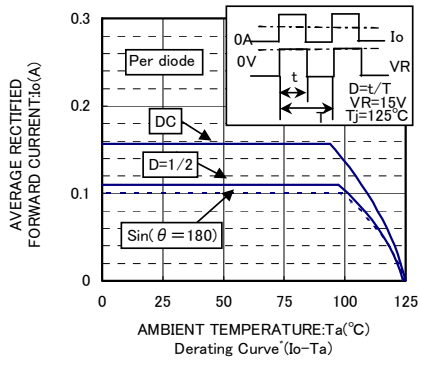
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current (*1)	$I_o$	100	mA
Forward current surge peak (60Hz·1cyc) (*1)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

(\*1) Rating of per diode

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.45	V	$I_F=10mA$
Reverse current	$I_R$	-	-	0.5	$\mu A$	$V_R=10V$





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