

# Schottky Barrier Diode

## RB557W

●Applications

General rectification

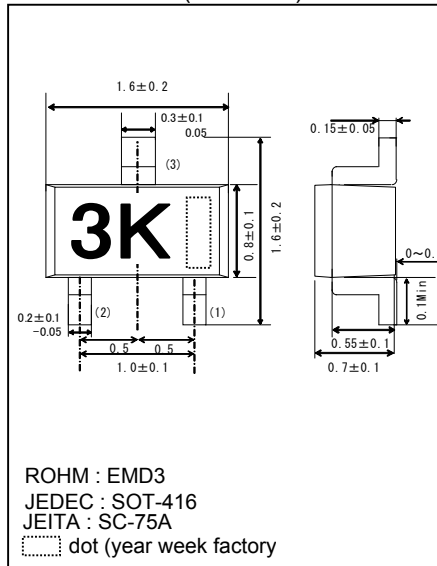
●Features

- 1) Ultra small mold type. (EMD3)
- 2) Low VF
- 3) High reliability

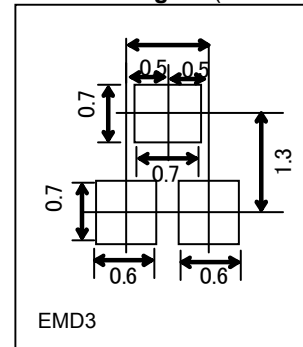
●Construction

Silicon epitaxial planar

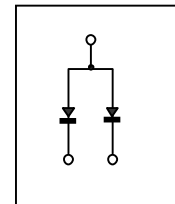
●Dimensions (Unit : mm)



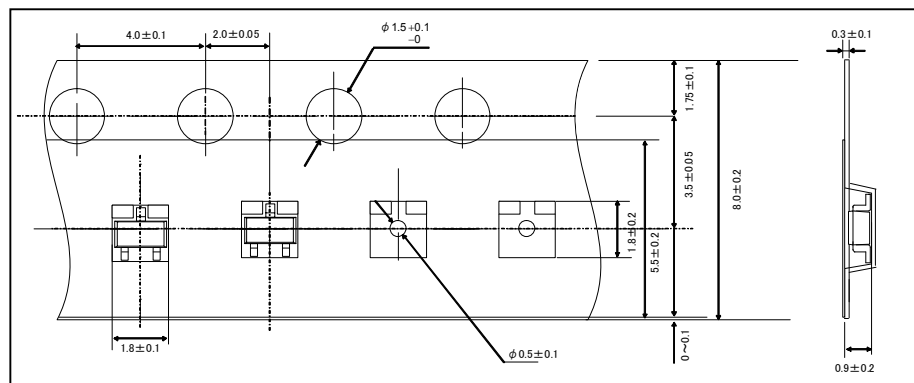
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



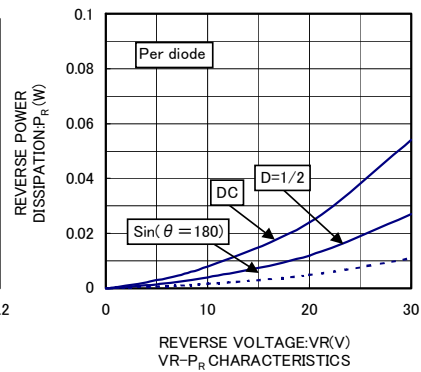
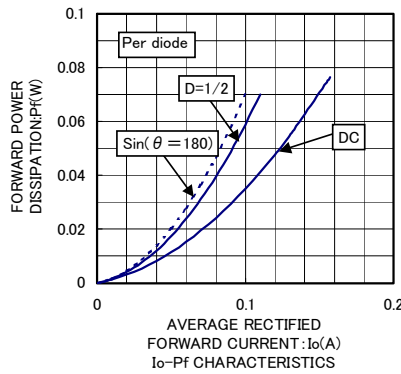
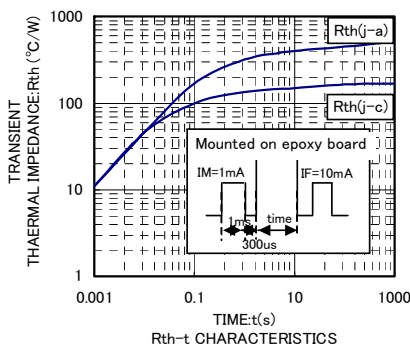
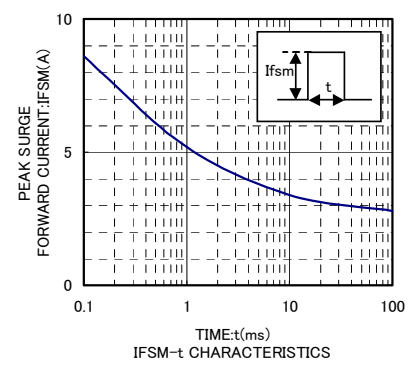
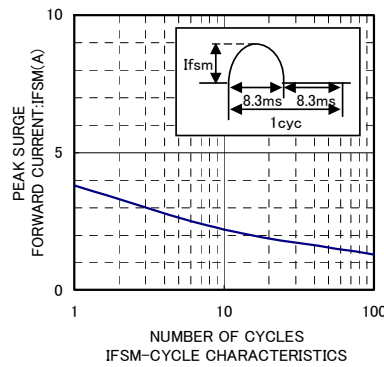
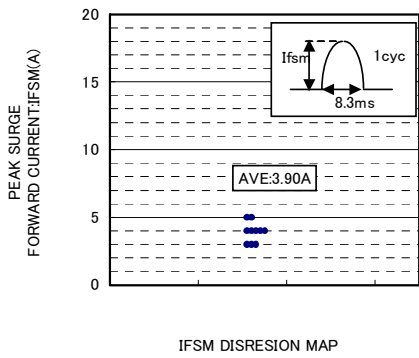
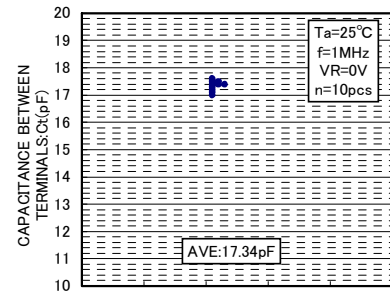
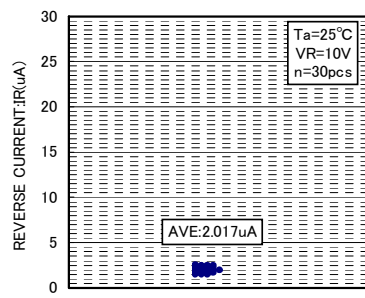
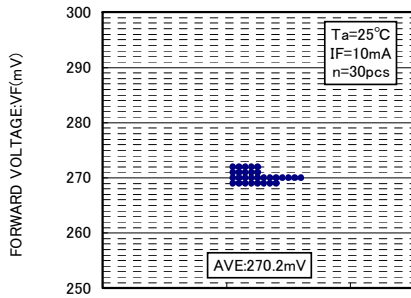
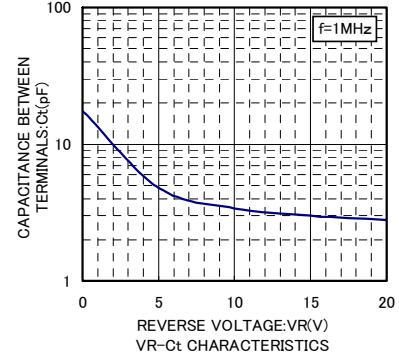
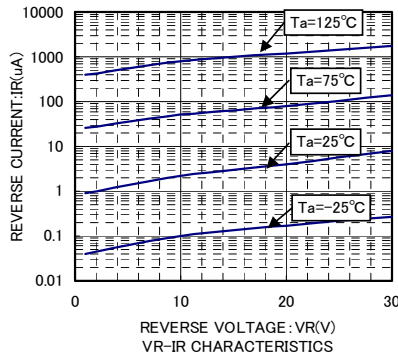
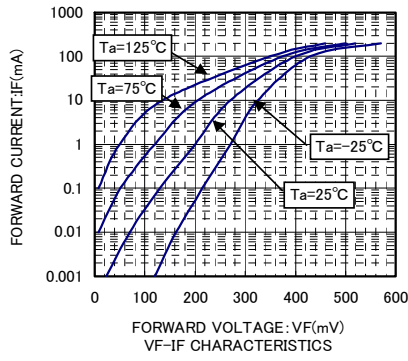
●Absolute maximum ratings (Ta=25°C)

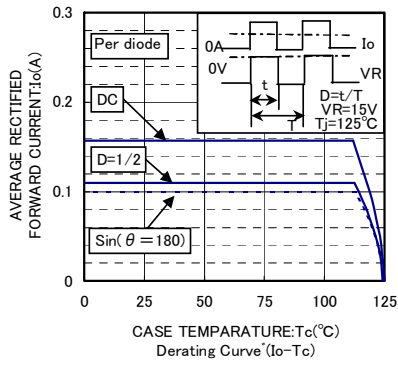
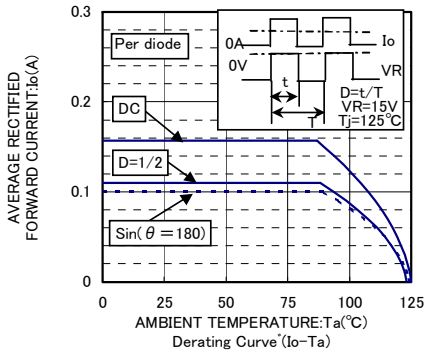
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	$V_R$	30	V
Average rectified forward current (*1)	$I_o$	100	mA
Forward current surge peak (60Hz · 1cyc) (*1)	$I_{FSM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

(\*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.35	V	$I_F=10mA$
	$V_{F2}$	-	-	0.49	V	$I_F=100mA$
Reverse current	$I_R$	-	-	10	μA	$V_R=10V$





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