

# Schottky Barrier Diode

## RB495D

●Applications

General rectification.

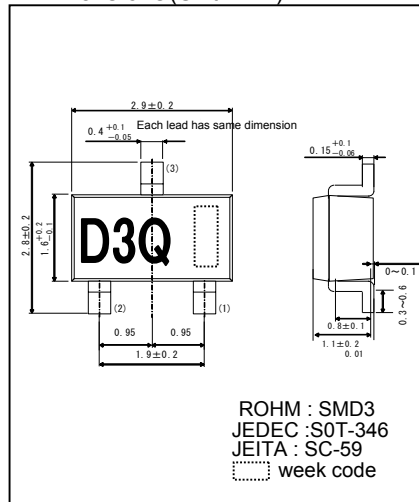
●Features

- 1) Small mold type. (SMD3)
- 2) Low  $I_R$
- 3) High reliability

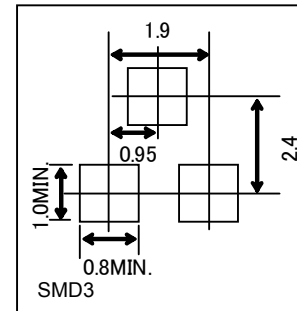
●Construction

Silicon epitaxial planar

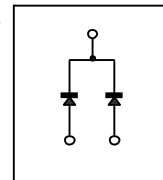
●Dimensions (Unit : mm)



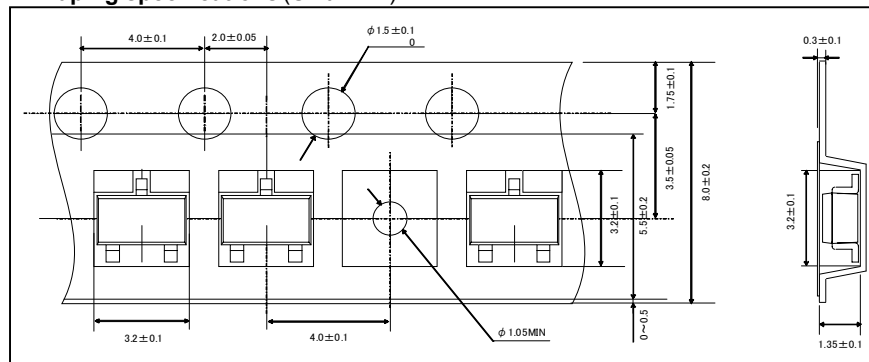
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



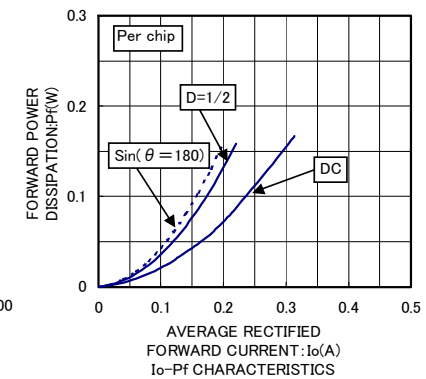
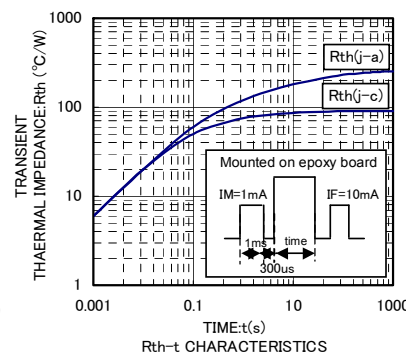
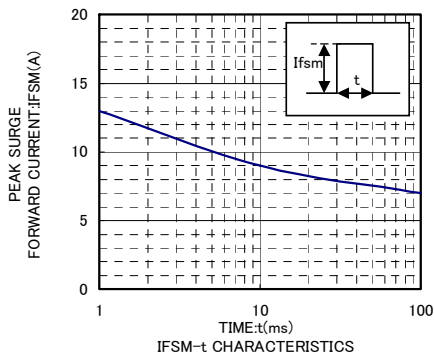
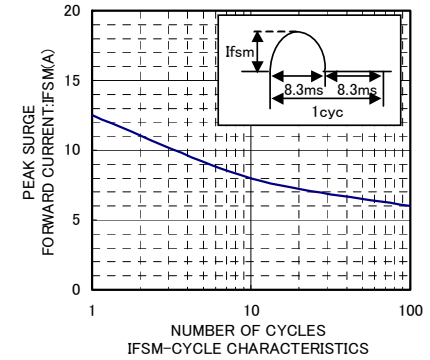
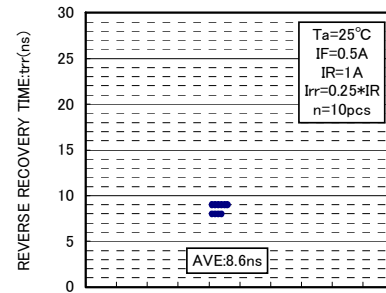
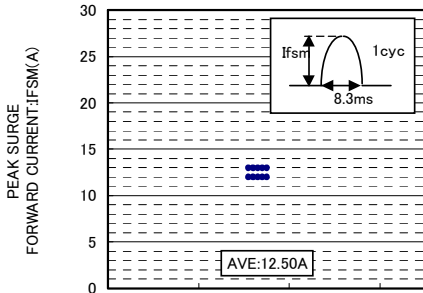
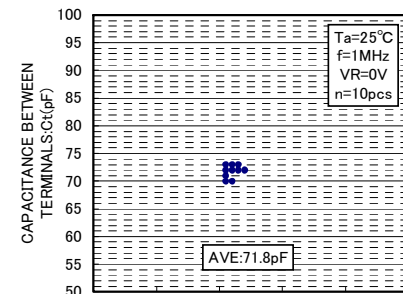
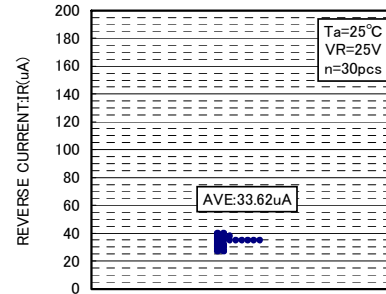
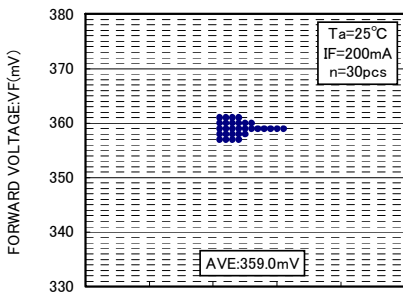
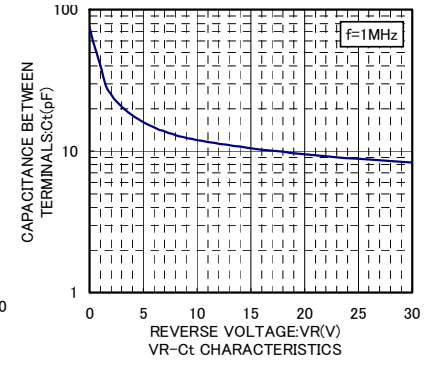
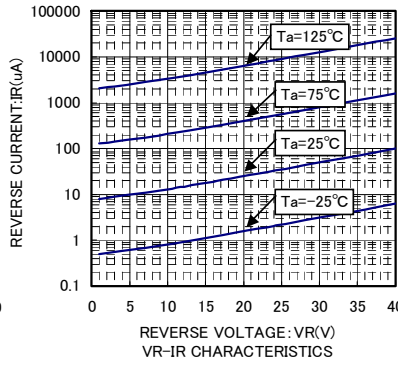
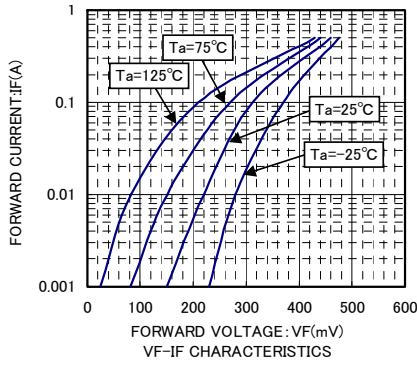
●Absolute maximum ratings (Ta=25°C)

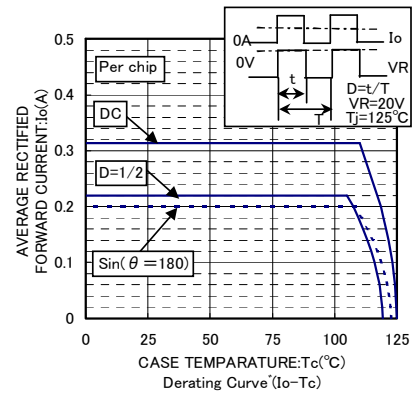
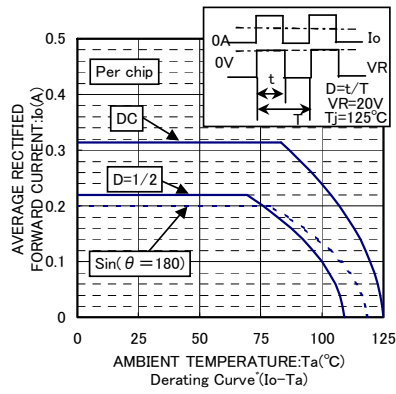
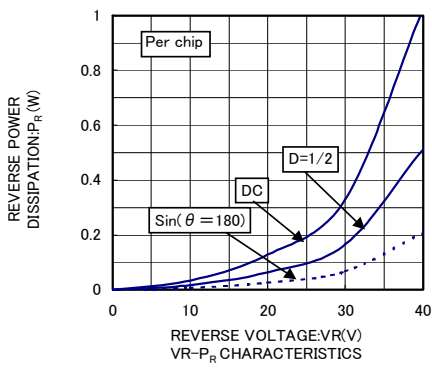
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_{RM}$	40	V
Reverse voltage (DC)	$V_R$	25	V
Average rectified forward current (*1)	$I_o$	0.4	mA
Forward current surge peak (60Hz · 1cyc) (*1)	$I_{FSM}$	2	A
Junction temperature	$T_J$	125	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

(\*1) Rating of per diode :  $I_o/2$

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_{F1}$	-	-	0.30	V	$I_F=10mA$
	$V_{F2}$	-	-	0.50	V	$I_F=200mA$
Reverse current	$I_{R1}$	-	-	70	μA	$V_R=25V$





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