

Schottky Barrier Diode

RB481Y

● Applications

Low current rectification

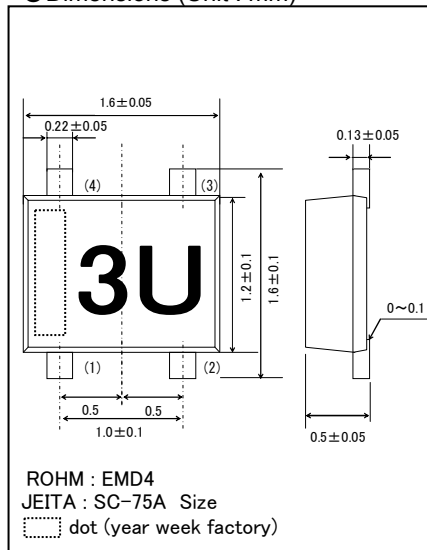
● Features

- 1) Ultra small mold type. (EMD4)
- 2) Low VF
- 3) High reliability

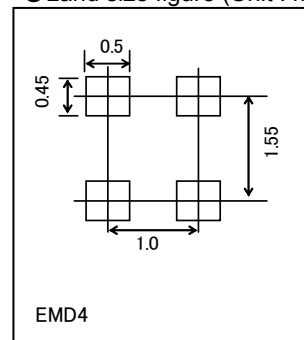
● Construction

Silicon epitaxial planar

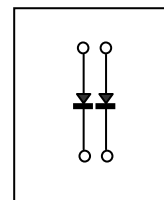
●Dimensions (Unit : mm)



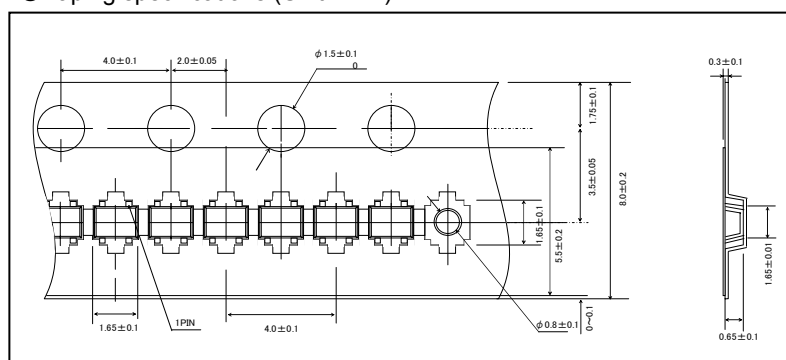
●Land size figure (Unit : mm)



● Structure



●Taping specifications (Unit : mm)



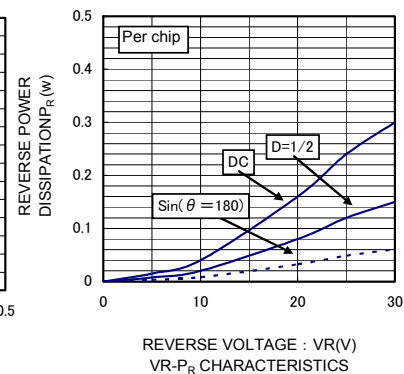
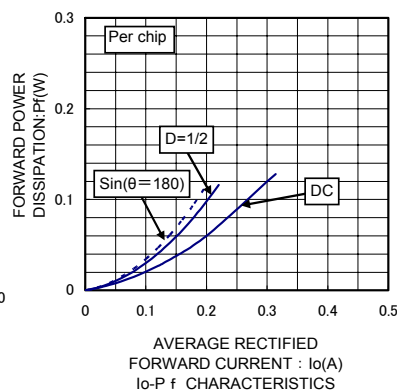
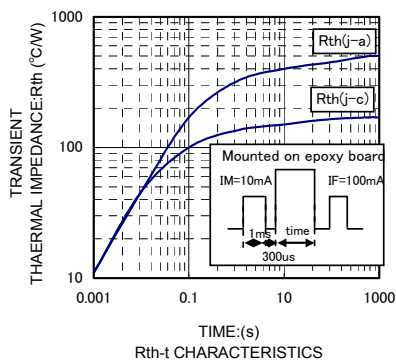
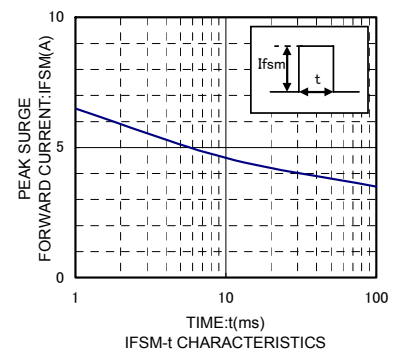
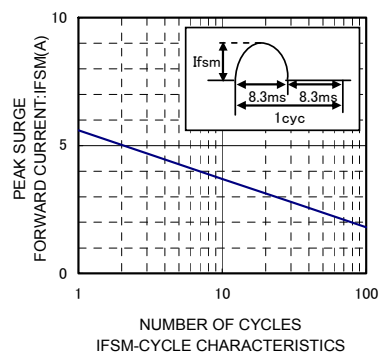
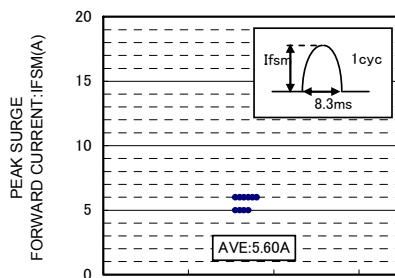
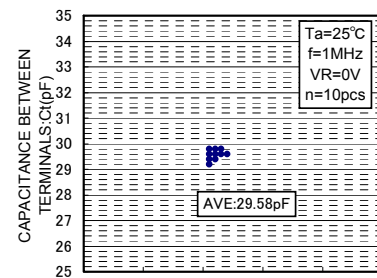
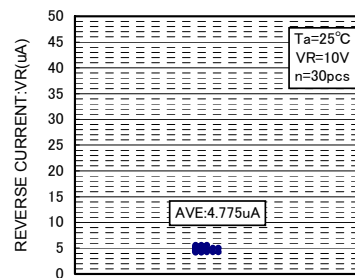
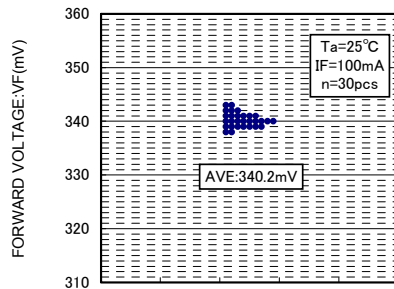
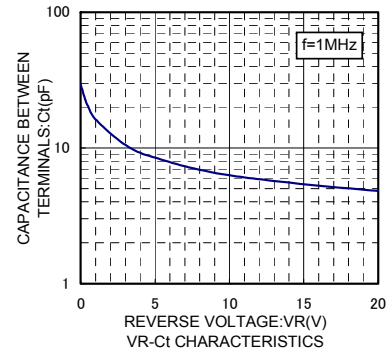
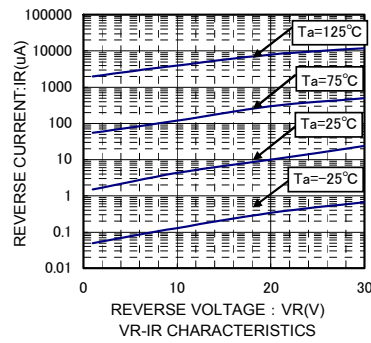
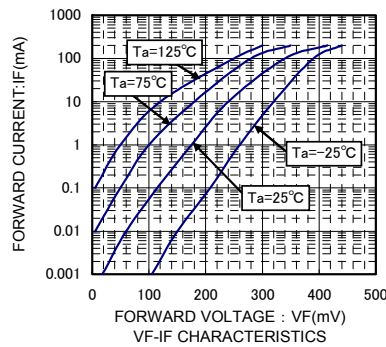
●Absolute maximum ratings (Ta=25°C)

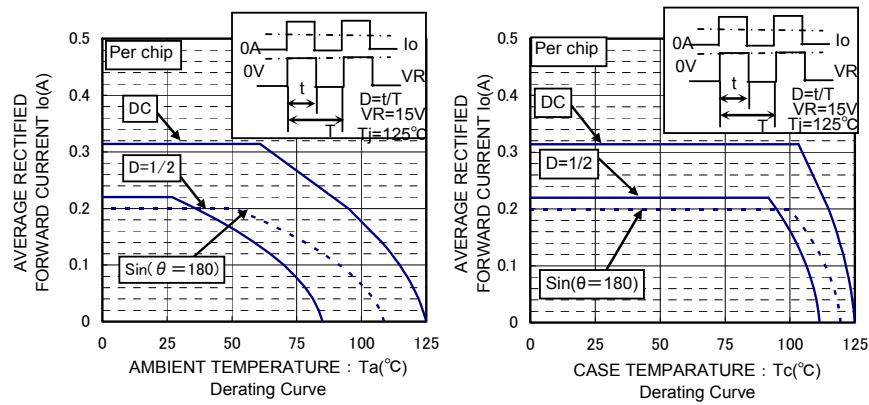
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V _R	30	V
Average rectified forward current (*1)	I _O	100	mA
Forward current surge peak (60Hz・1cyc) (*1)	I _{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F1	-	0.17	0.28	V	$I_F=1mA$
	V_F2	-	0.24	0.33	V	$I_F=10mA$
	V_F3	-	0.34	0.43	V	$I_F=100mA$
Reverse current	I_R	-	4	30	μA	$V_R=10V$





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