

Schottky Barrier Diode

RB481Y-90

●Applications

Low current rectification

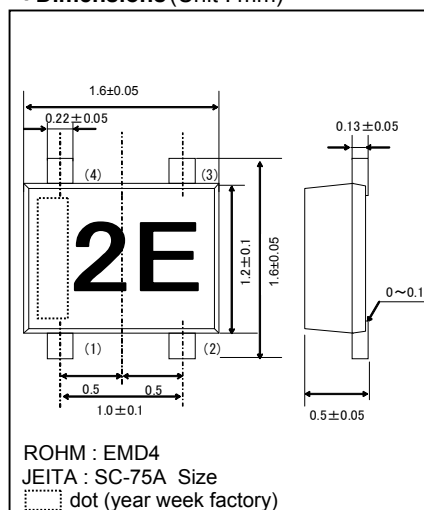
●Features

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

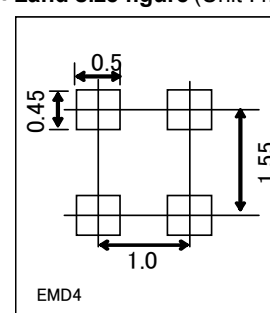
●Construction

Silicon epitaxial planar

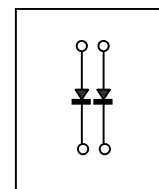
● **Dimensions** (Unit : mm)



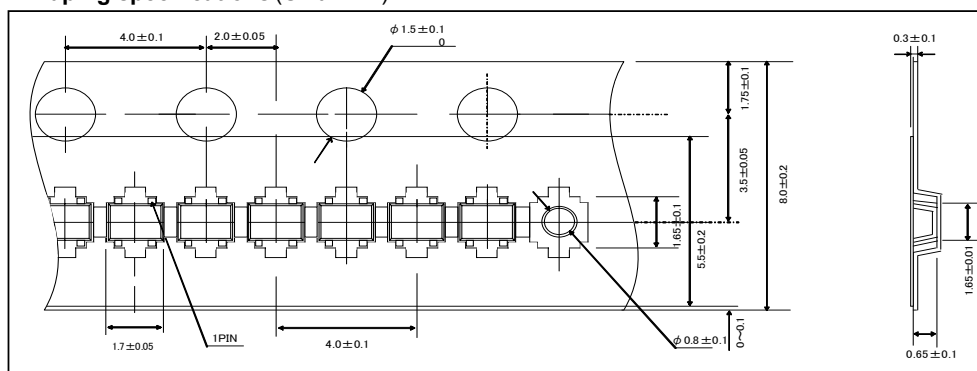
●Land size figure (Unit : mm)



● Structure



●Taping specifications (Unit : mm)



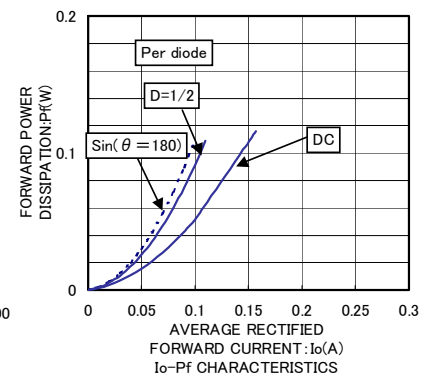
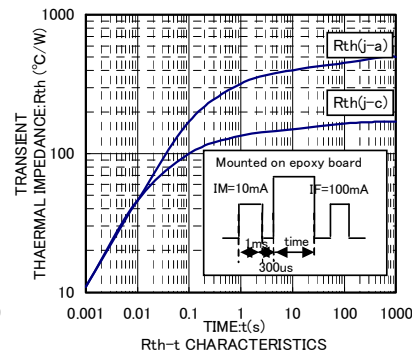
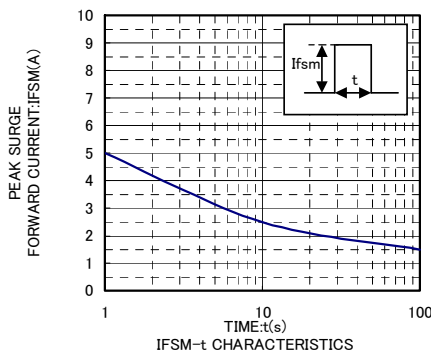
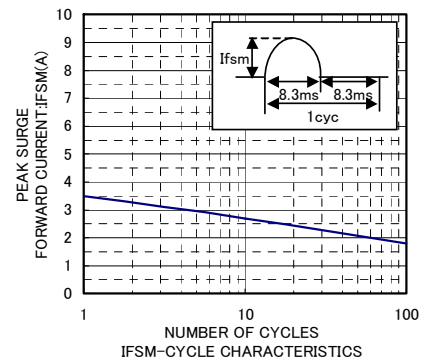
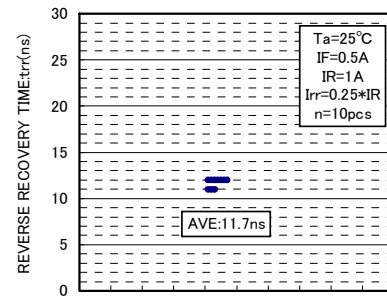
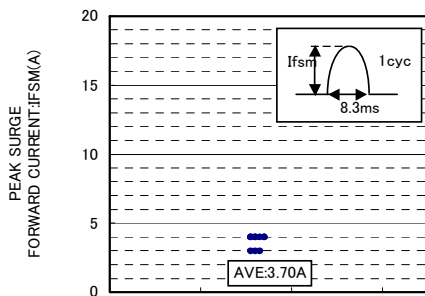
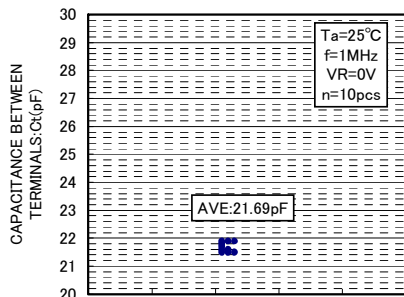
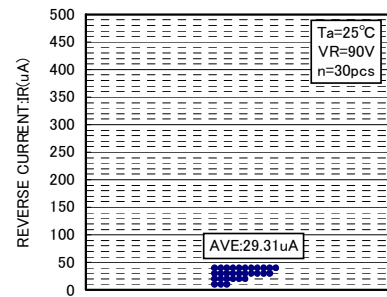
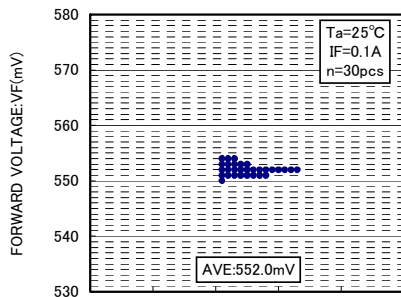
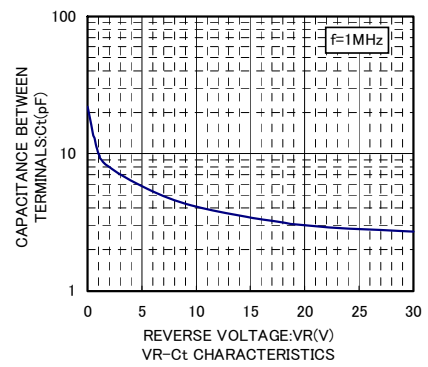
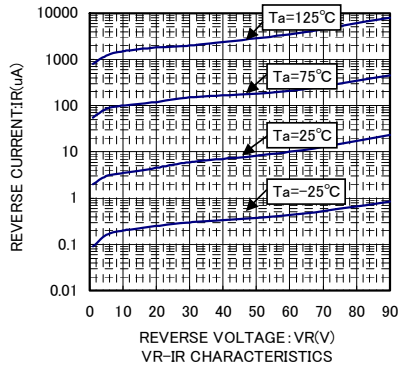
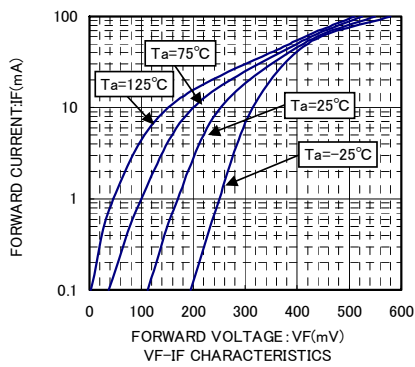
●Absolute maximum ratings (Ta=25°C)

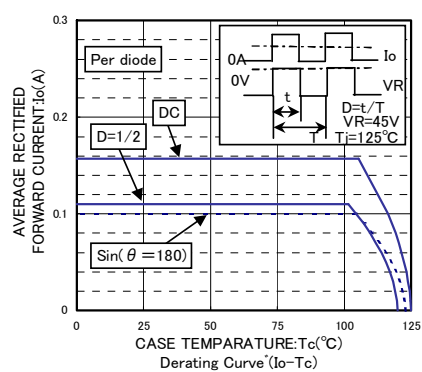
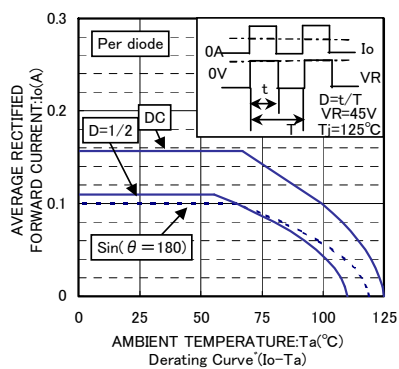
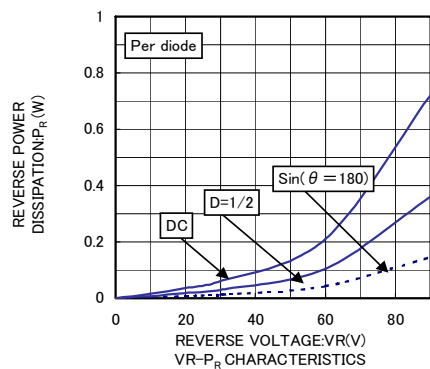
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	90	V
Reverse voltage (DC)	V_R	90	V
Average rectified forward current (*1)	I_o	100	mA
Forward current surge peak (60Hz · 1cyc) (*1)	I_{FSM}	1	A
Junction temperature	T_J	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

(*1) Rating of per diode

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.55	0.61	V	$I_F=100\text{mA}$
Reverse current	I_R	-	20	100	μA	$V_R=90\text{V}$





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