

RB481Y-90

Diodes

Schottky barrier diode

RB481Y-90

● Applications

Low current rectification

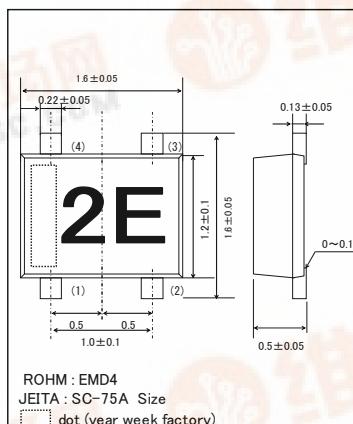
• Features

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

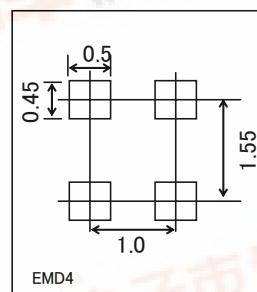
● Construction

Silicon epitaxial planar

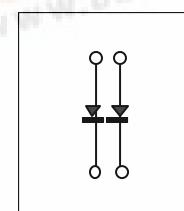
●Dimensions (Unit : mm)



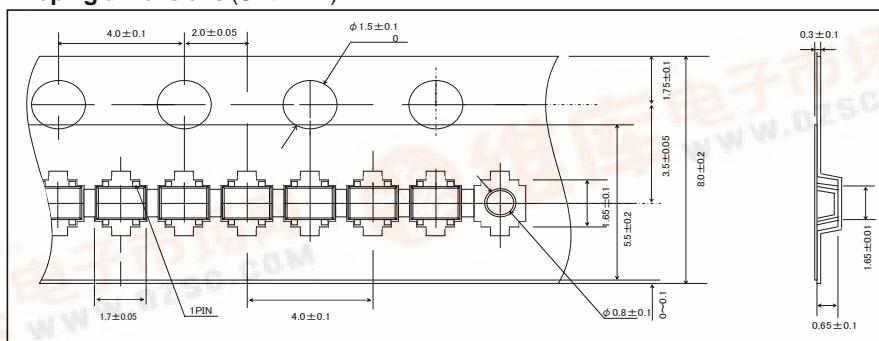
● Land size figure (Unit : mm)



Structure



● Taping dimensions (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

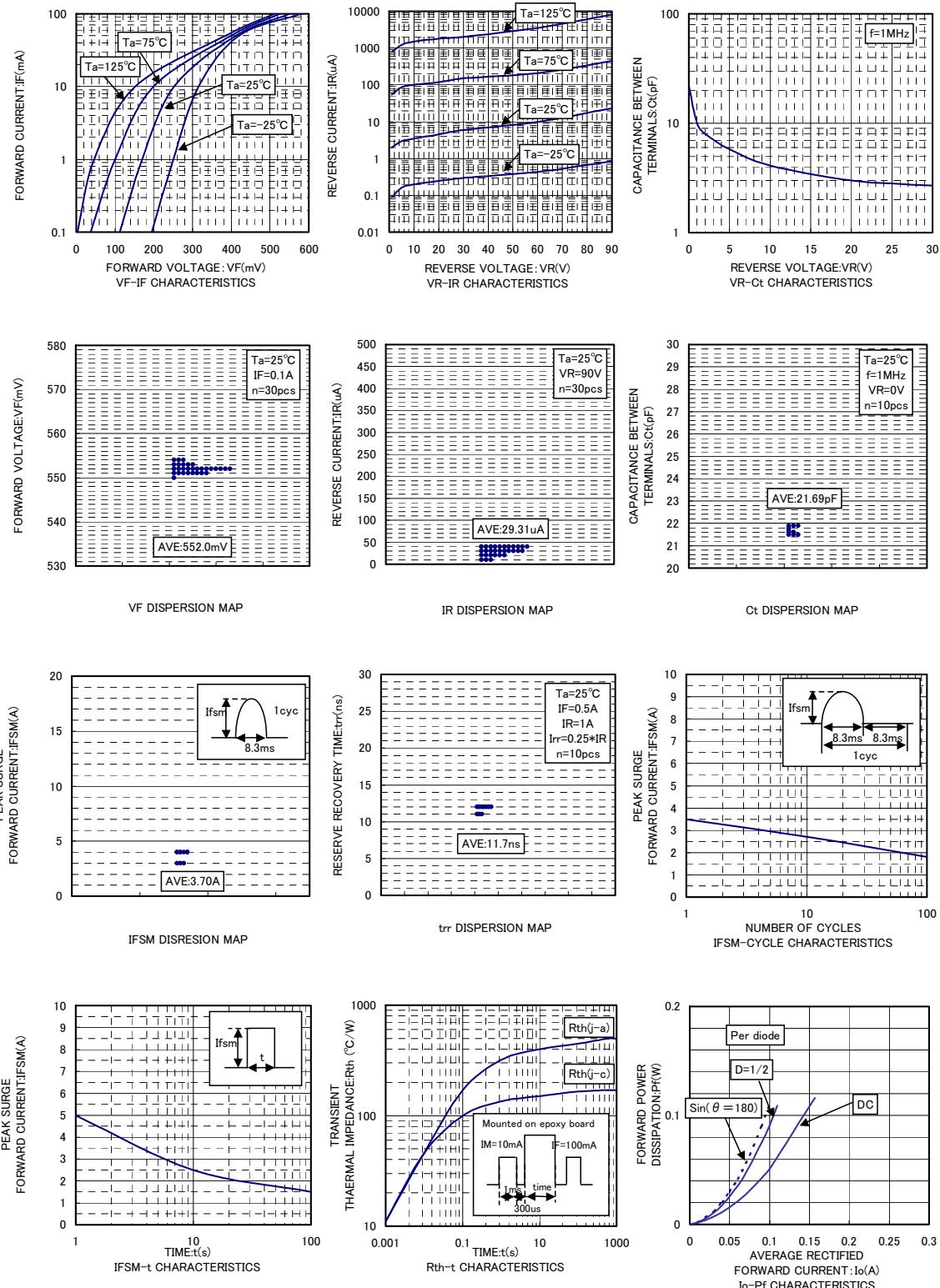
(*1) Rating of per diode

● Electrical characteristic (Ta=25°C)

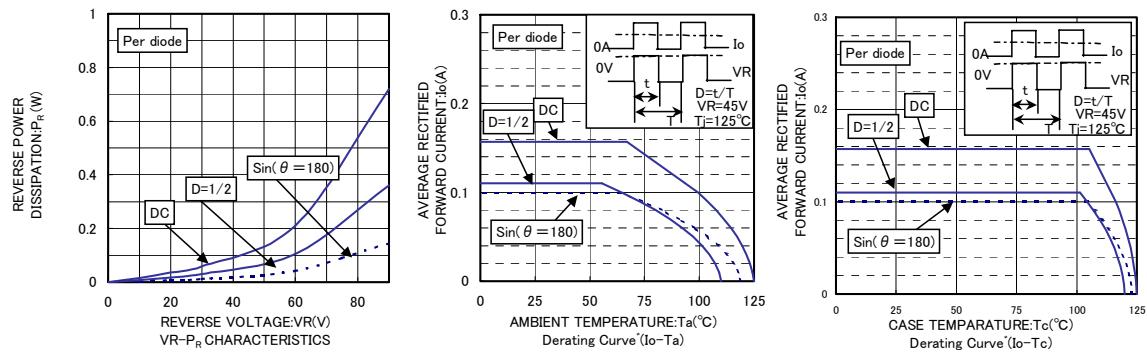
Electrical characteristic ($T_A=25^\circ C$)						
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.55	0.61	V	$I_F=100mA$
Reverse current	I_R	-	20	100	μA	$V_R=90V$

Diodes

● Electrical characteristic curves



Diodes



Appendix

Notes

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