

Schottky barrier diode

RB851Y

● Applications

High frequency detection

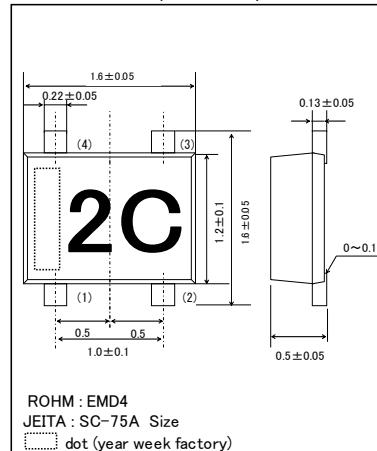
● Features

- 1) Ultra small mold type. (EMD4)
- 2) Low Ct and high detection efficiency.

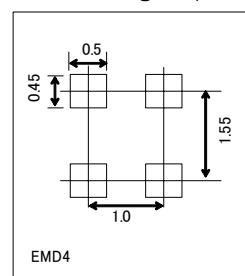
● Construction

Silicon epitaxial planar

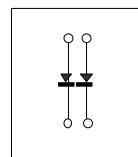
● Dimensions (Unit : mm)



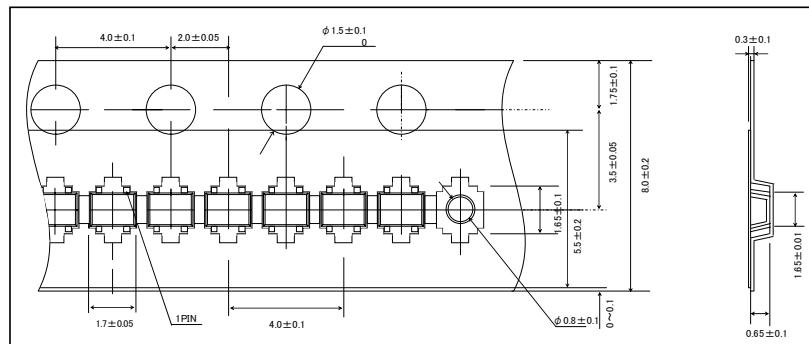
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

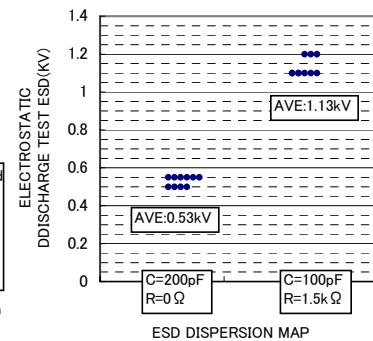
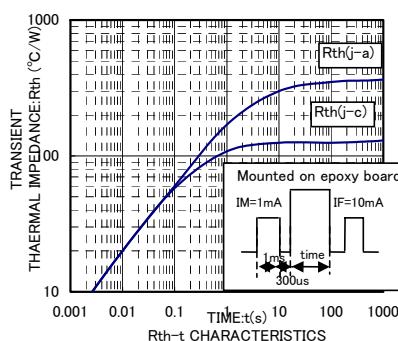
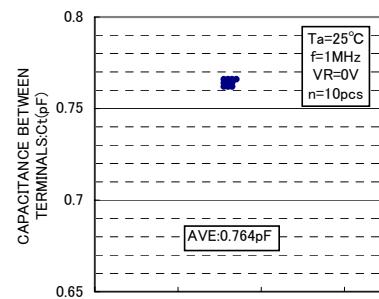
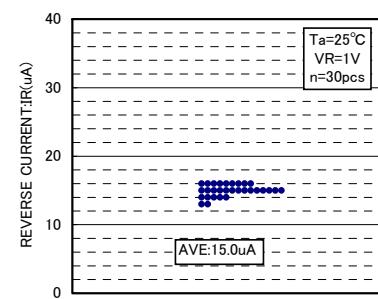
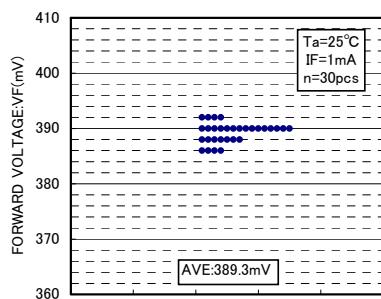
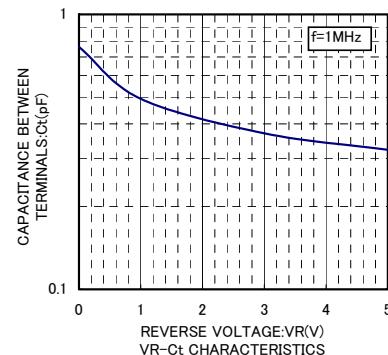
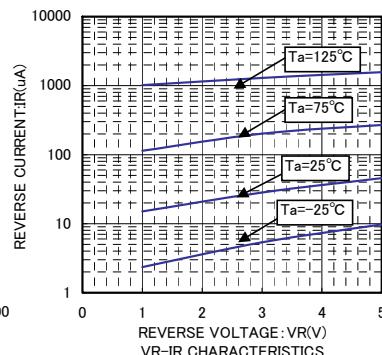
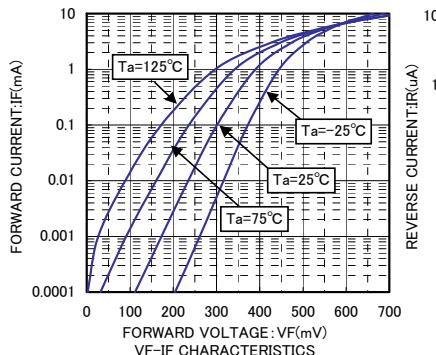
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V _R	3	V
Forward current(DC)(*1)	I _F	30	mA
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

(*1)Rating of per diode

● Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.46	V	I _F =1mA
Reverse current	I _R	-	-	0.7	μA	V _R =1V
Capacitance between terminal	C _t	-	0.8	-	pF	V _R =0V, f=1MHz

Diodes

● Electrical characteristic curves ($T_a=25^\circ\text{C}$)

Appendix

Notes

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