

## Schottky barrier diode

## RB851Y

## ●Applications

High frequency detection

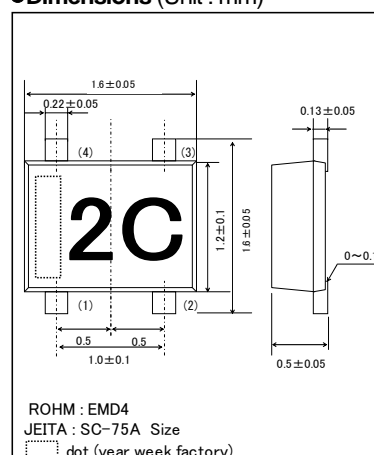
## ●Features

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

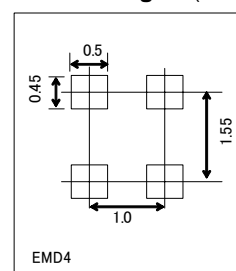
## ●Construction

Silicon epitaxial planar

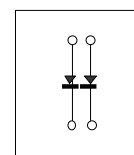
## ●Dimensions (Unit : mm)



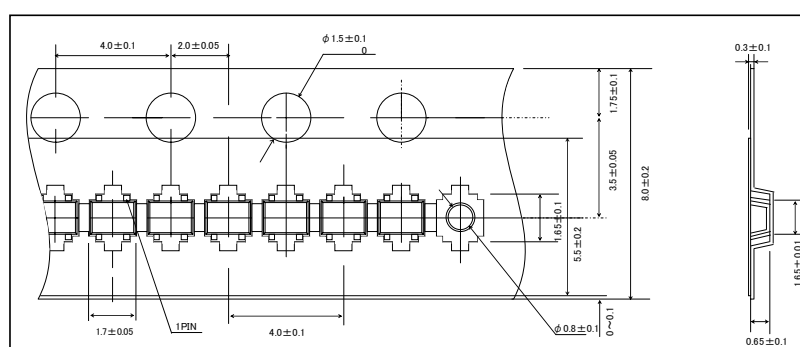
## ●Land size figure (Unit : mm)



## ●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

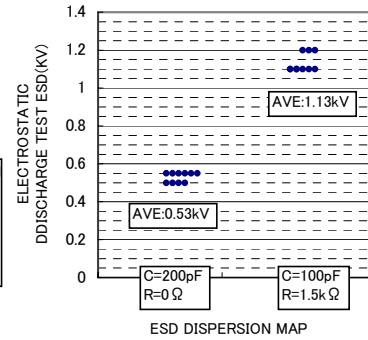
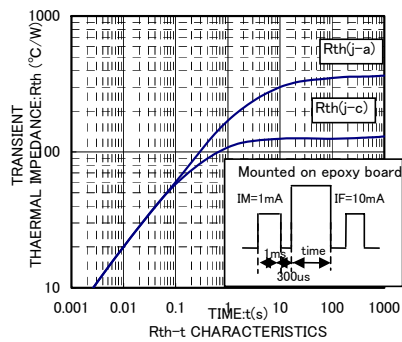
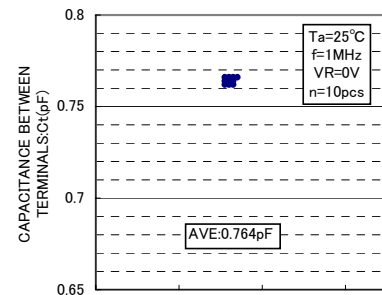
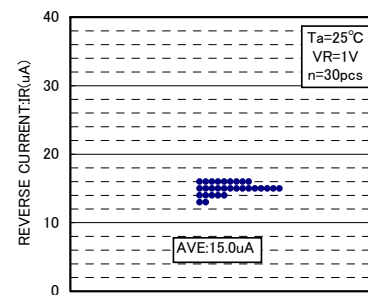
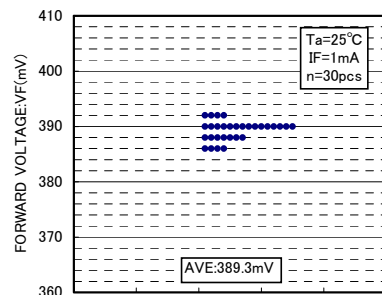
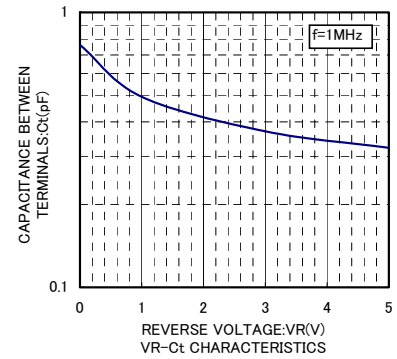
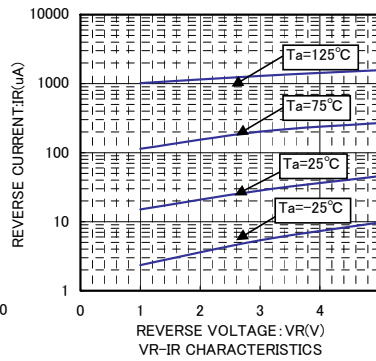
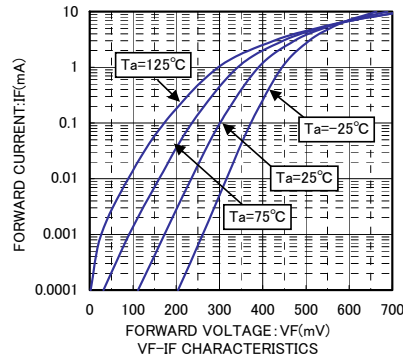
(\*1)Rating of per diode

## ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.46	V	$I_F=1\text{mA}$
Reverse current	$I_R$	-	-	0.7	$\mu\text{A}$	$V_R=1\text{V}$
Capacitance between terminal	$C_t$	-	0.8	-	pF	$V_R=0\text{V}$ , $f=1\text{MHz}$

## Diodes

## ●Electrical characteristic curves (Ta=25°C)



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