

### ●Application

High frequency detection

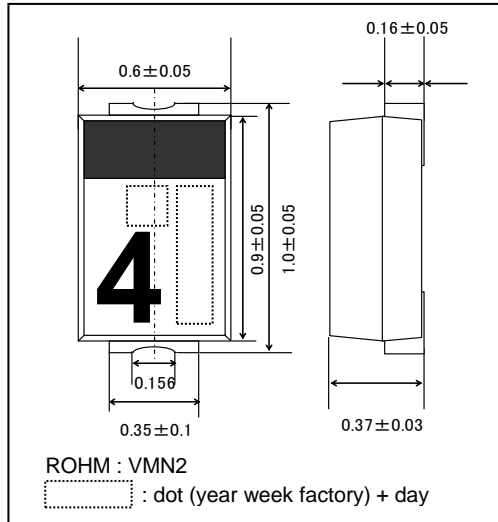
### ●Features

- 1) Ultra small mold type.  
(VMN2)
- 2) Low Ct and high detection efficiency.

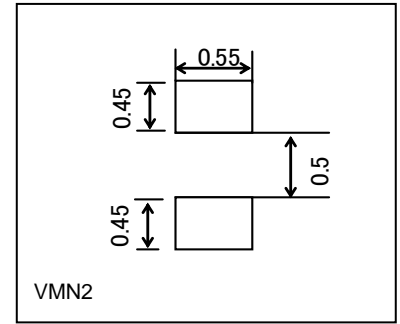
### ●Construction

Silicon epitaxial planar type

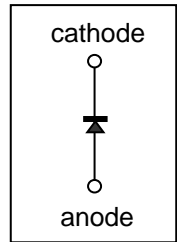
### ●Dimensions (Unit : mm)



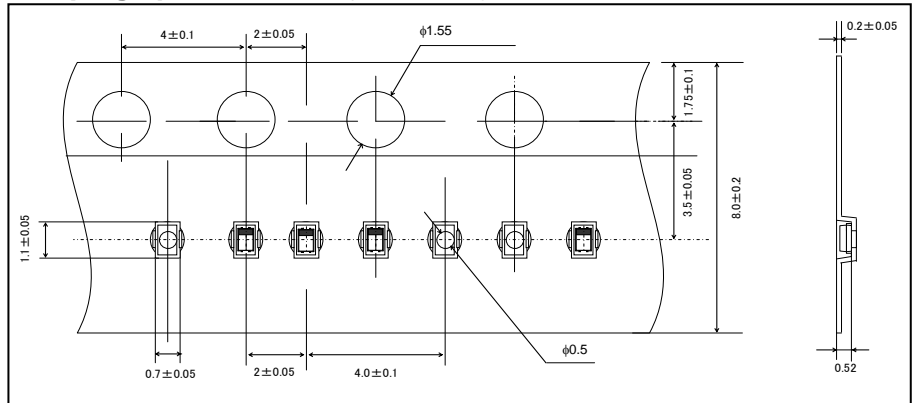
### ●Land size figure (Unit : mm)



### ●Structure



### ●Taping specifications (Unit : mm)



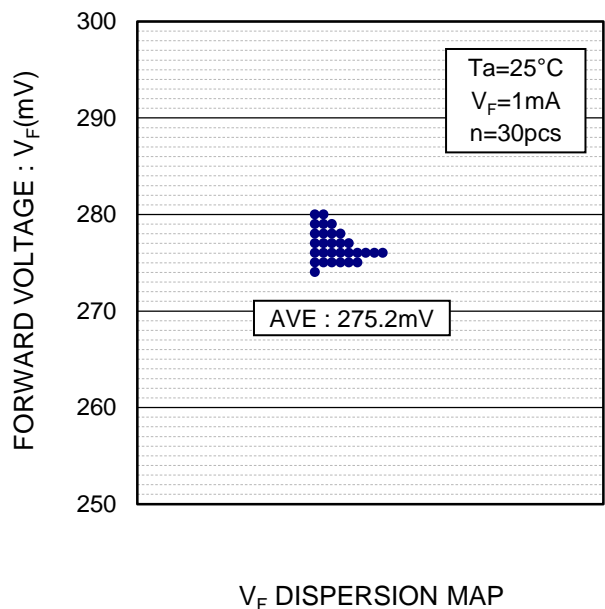
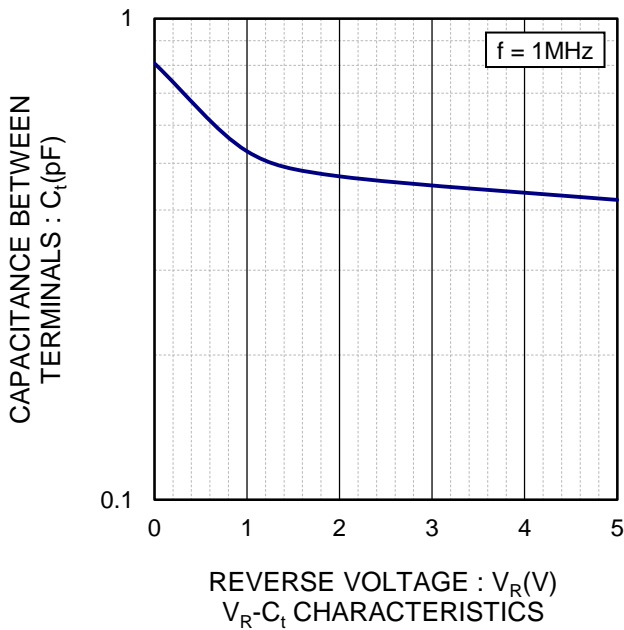
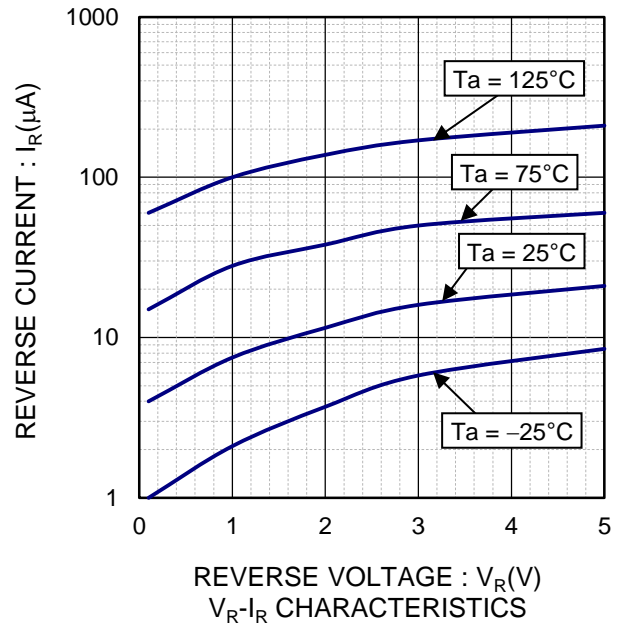
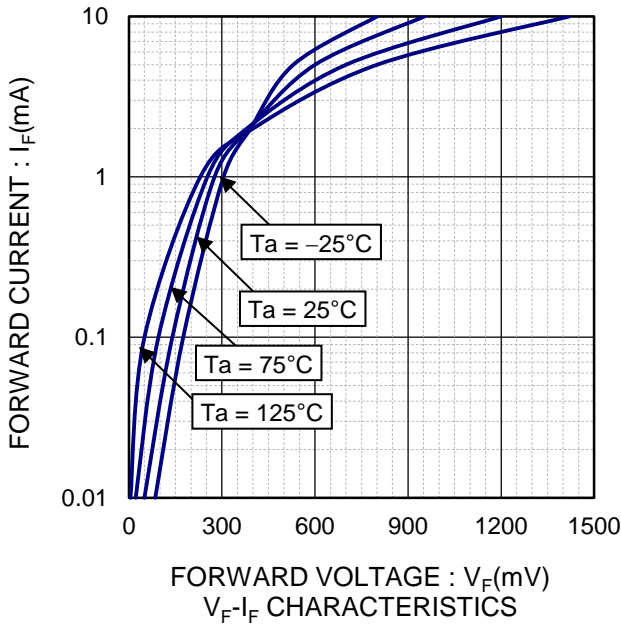
### ●Absolute maximum ratings (T<sub>a</sub>= 25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	V <sub>R</sub>	15	V
Average forward rectified current	I <sub>F</sub>	10	mA
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-40 to +125	°C

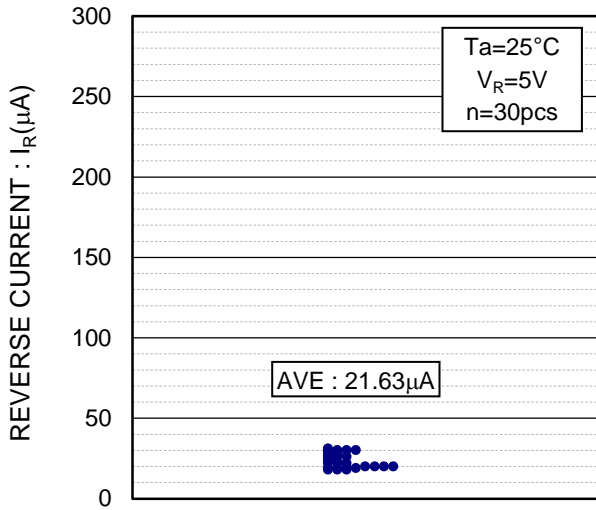
### ●Electrical characteristics (T<sub>a</sub>= 25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	0.35	V	I <sub>F</sub> =1.0mA
Reverse current	I <sub>R</sub>	-	-	120	μA	V <sub>R</sub> =5.0V
Capacitance between terminals	C <sub>t</sub>	-	0.53	0.80	pF	V <sub>R</sub> =1.0V, f=1MHz

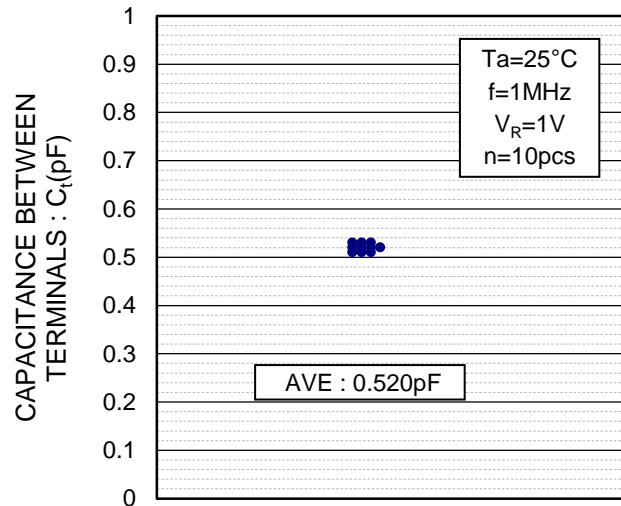
●Electrical characteristic curves



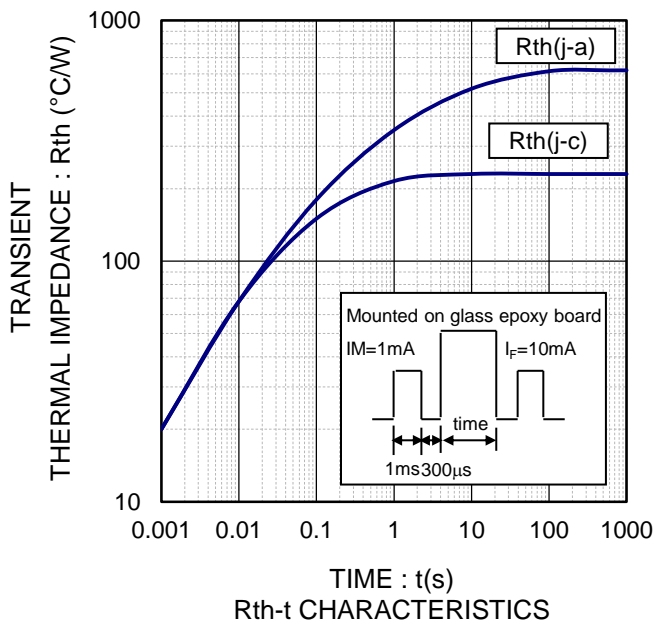
●Electrical characteristic curves



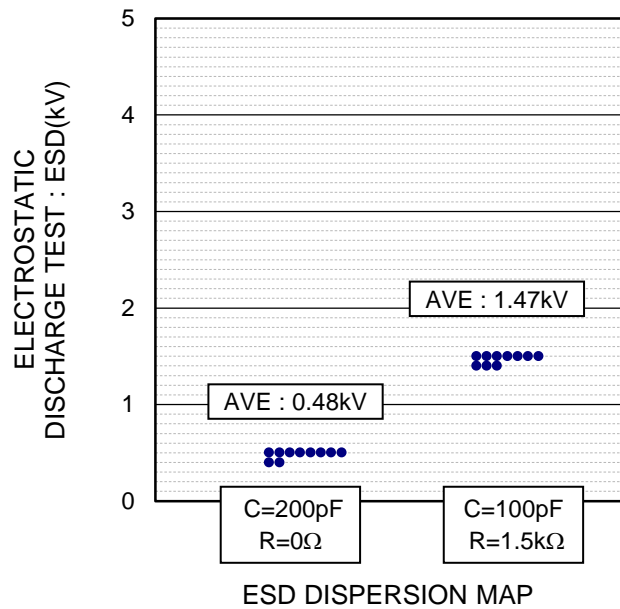
I<sub>R</sub> DISPERSION MAP



C<sub>t</sub> DISPERSION MAP



R<sub>th</sub>-t CHARACTERISTICS



ESD DISPERSION MAP

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