

●Application

High frequency detection

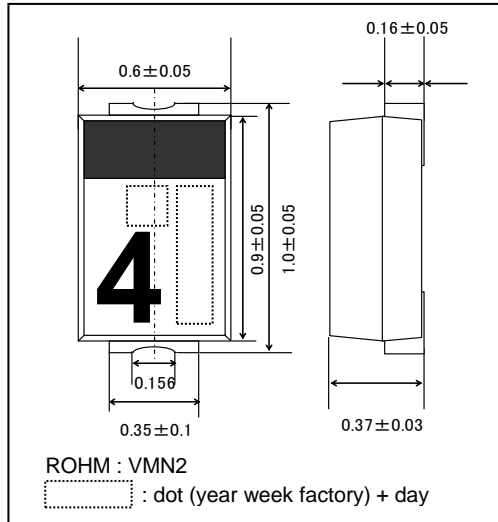
●Features

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

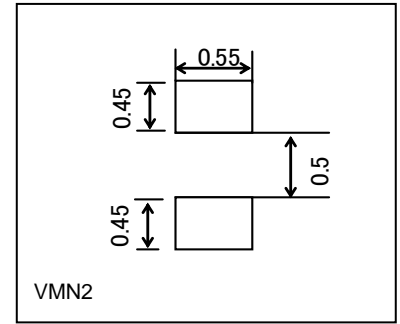
●Construction

Silicon epitaxial planar type

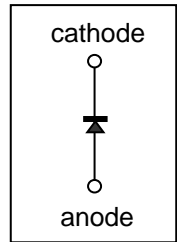
●Dimensions (Unit : mm)



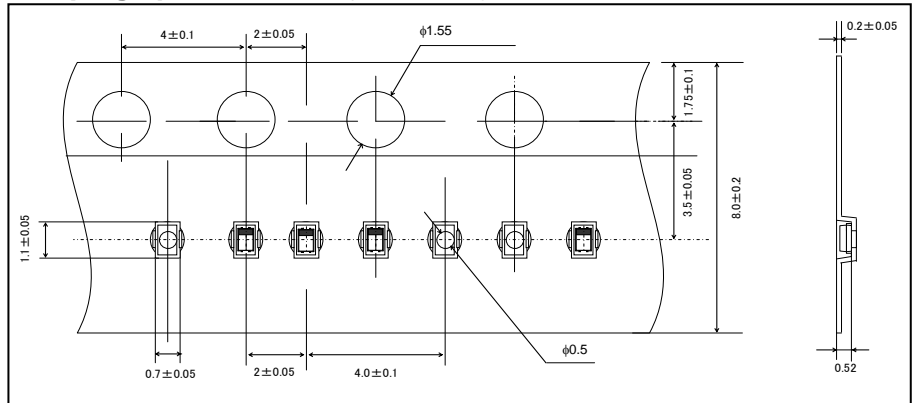
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



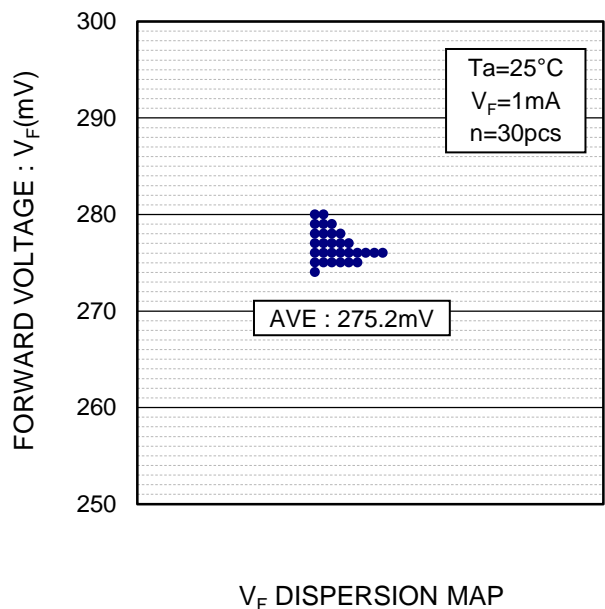
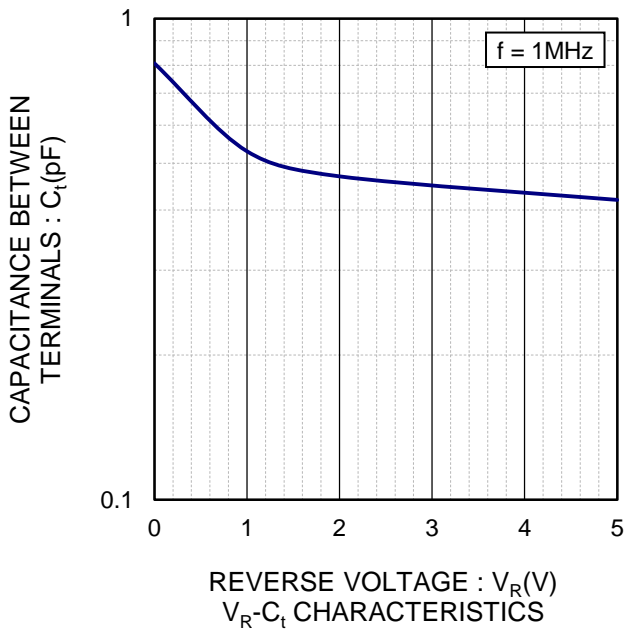
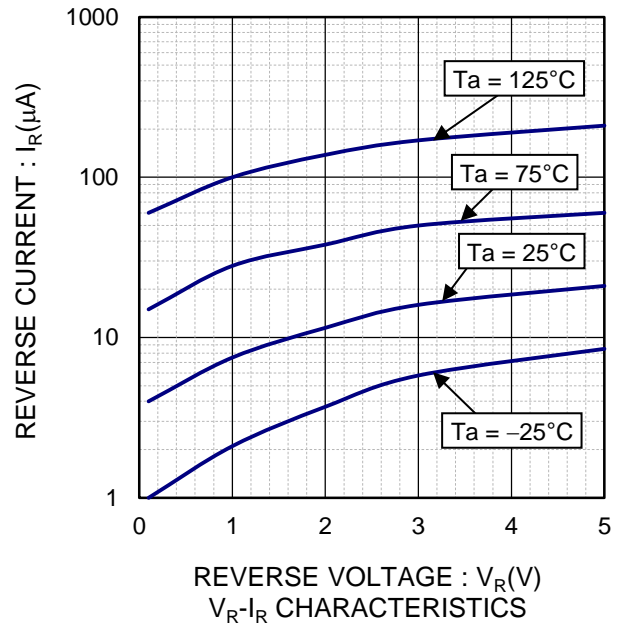
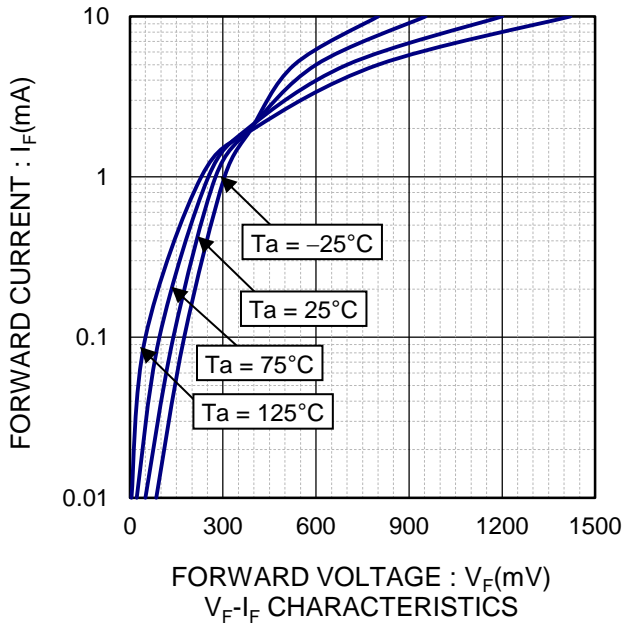
●Absolute maximum ratings ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	15	V
Average forward rectified current	I_F	10	mA
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

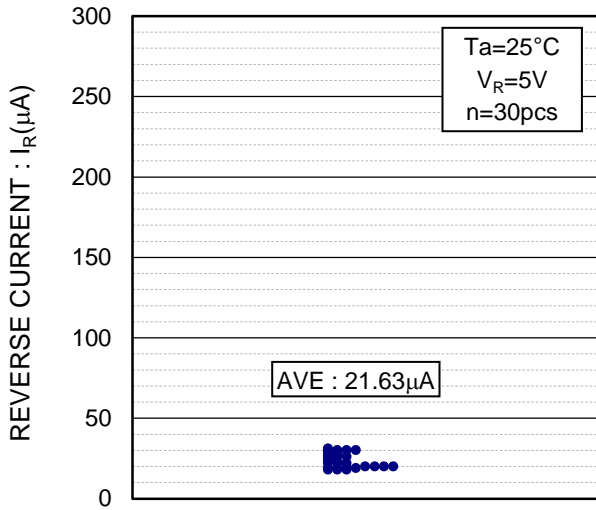
●Electrical characteristics ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.35	V	$I_F=1.0\text{mA}$
Reverse current	I_R	-	-	120	μA	$V_R=5.0\text{V}$
Capacitance between terminals	C_t	-	0.53	0.80	pF	$V_R=1.0\text{V}$, $f=1\text{MHz}$

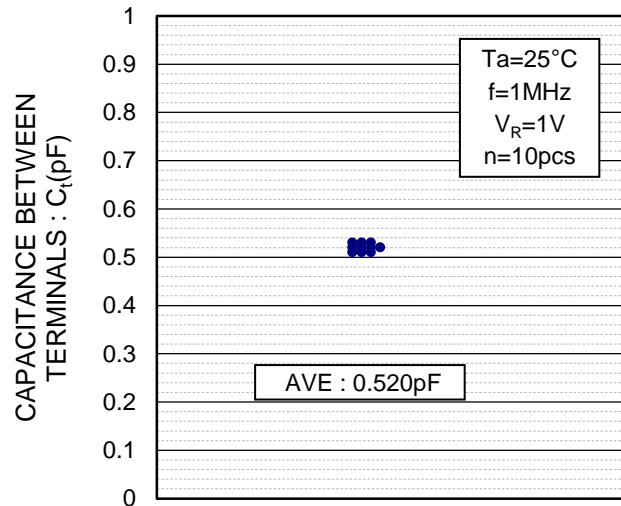
●Electrical characteristic curves



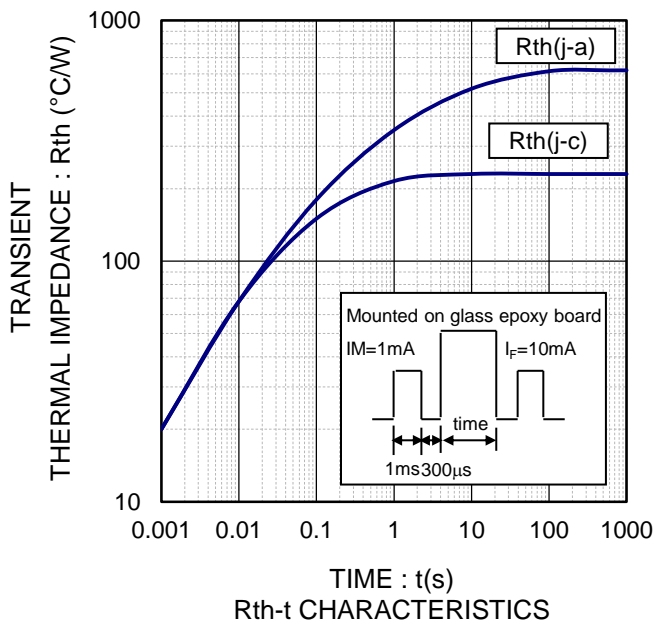
●Electrical characteristic curves



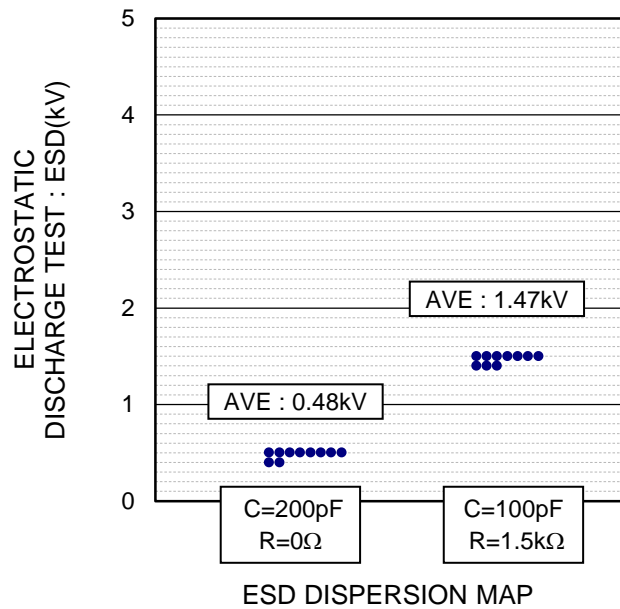
I_R DISPERSION MAP



C_t DISPERSION MAP



R_{th}-t CHARACTERISTICS



ESD DISPERSION MAP

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