

PIN diode

RN242CS

●Application

High frequency switching

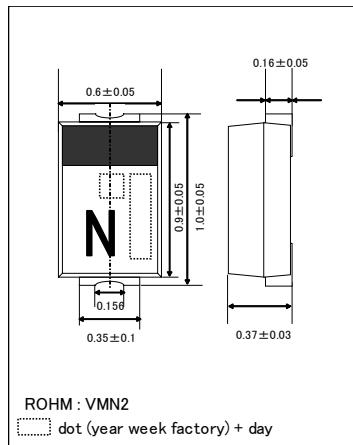
●Features

- 1) Ultra small mold type. (VMN2)
- 2) Low high frequency resistance and low capacitance

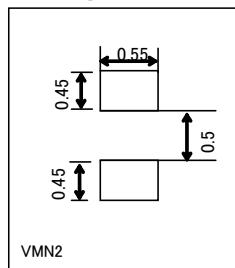
●Construction

Silicon epitaxial planer

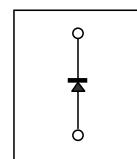
●External dimensions (Unit : mm)



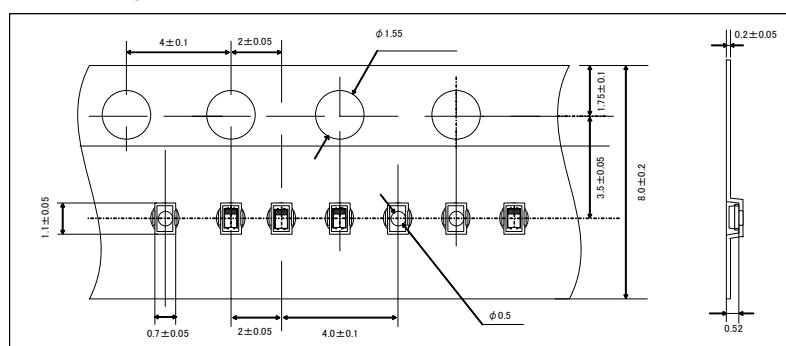
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

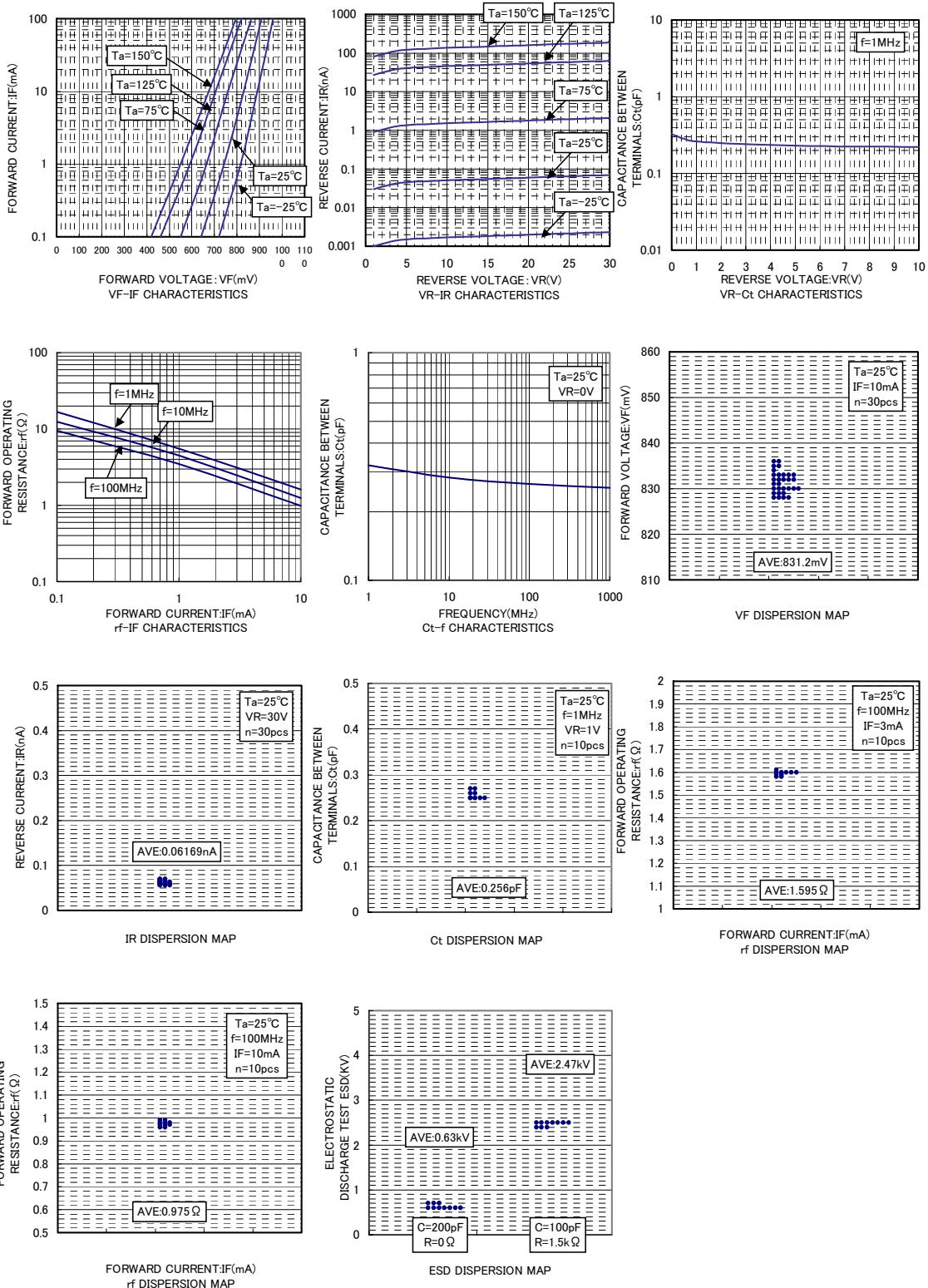
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V _R	30	V
Forward current	I _F	100	mA
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1	V	I _F =10mA
Reverse current	I _R	-	-	0.1	µA	V _R =30V
Capacitance between terminals	C _t	-	-	0.35	pF	V _R =1V, f=1MHz
High frequency resistance	R _f	-	-	3	Ω	I _F =3mA, f=100MHz
		-	-	1.5	Ω	I _F =10mA, f=100MHz

Diodes

●Electrical characteristic curves (Ta=25°C)



Appendix

Notes

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