

Diodes

# PIN diode

## RN262G

●Applications

High frequency switching

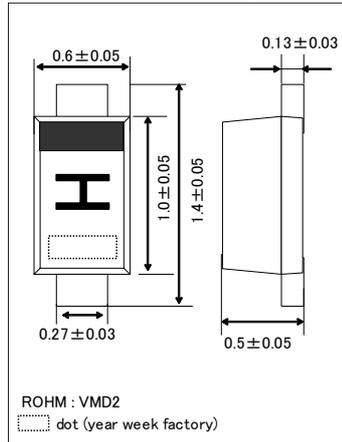
●Features

- 1) Ultra small mold type. (VMD2)
- 2) Low high-frequency forward resistance / low capacitance (C<sub>T</sub>).

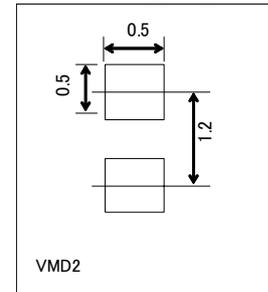
●Construction

Silicon epitaxial planar

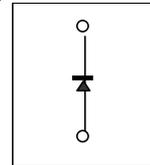
●External dimensions (Unit : mm)



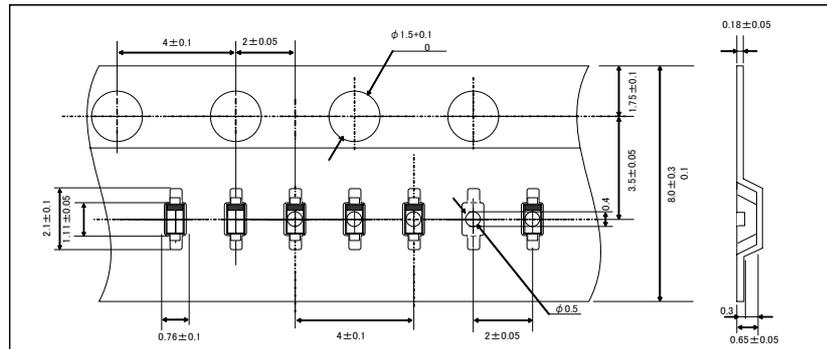
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

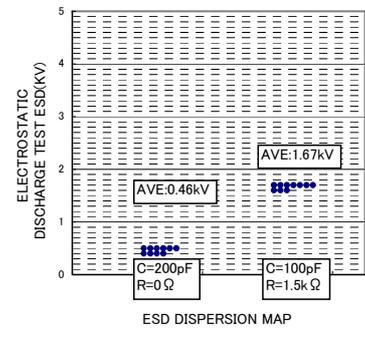
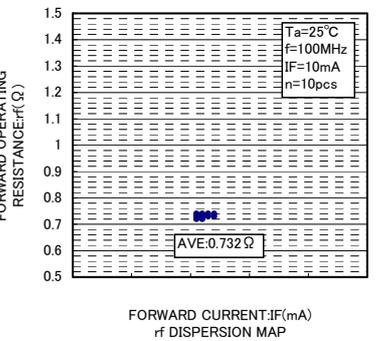
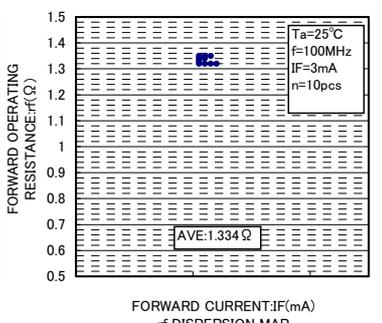
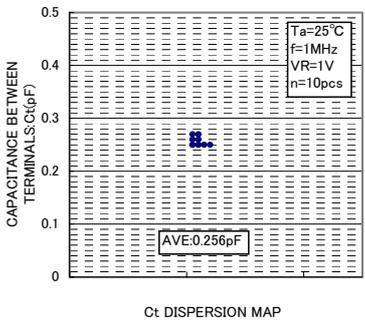
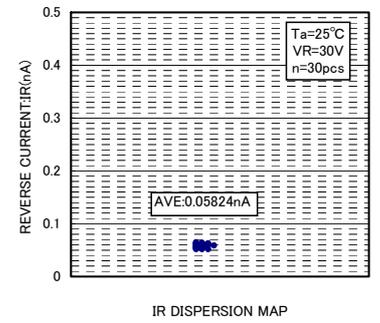
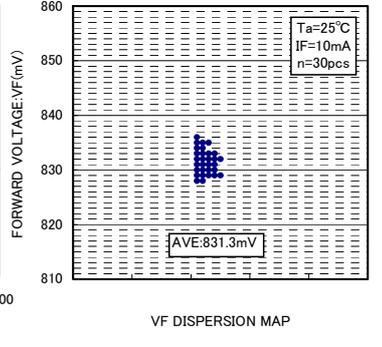
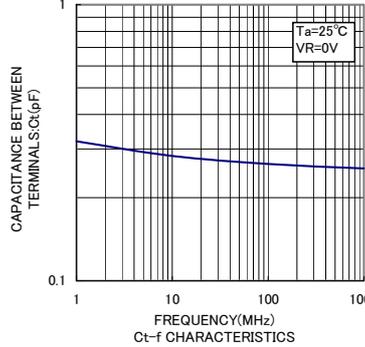
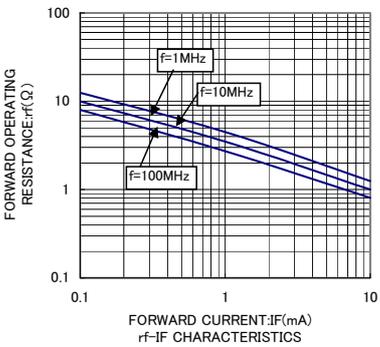
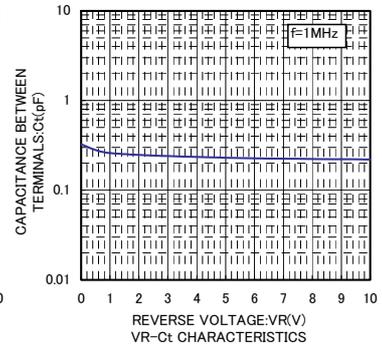
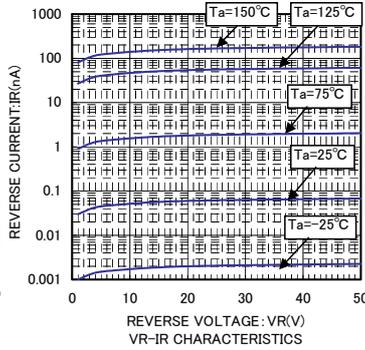
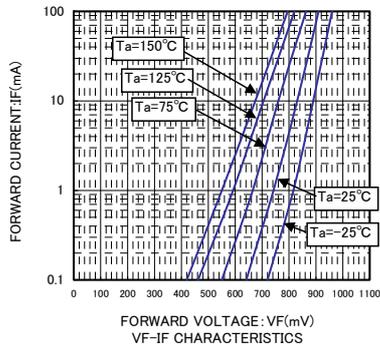
Parameter	Symbol	Limits	Unit
Reverse voltage	V <sub>R</sub>	30	V
Forward current	I <sub>F</sub>	100	mA
Power dissipation	P <sub>d</sub>	100	mW
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F</sub>	-	-	1	V	I <sub>F</sub> =10mA
Reverse current	I <sub>R</sub>	-	-	0.1	μA	V <sub>R</sub> =30V
Capacitance between terminals	C <sub>t</sub>	-	-	0.4	pF	V <sub>R</sub> =1V, f=1MHz
High frequency resistance	R <sub>f</sub>	-	-	2.8	Ω	I <sub>F</sub> =3mA, f=100MHz
		-	-	1.5	Ω	I <sub>F</sub> =10mA, f=100MHz

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●Electrical characteristic curves (Ta=25°C)



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