

# PIN diode

## RN242CS

●Applications

High frequency switching

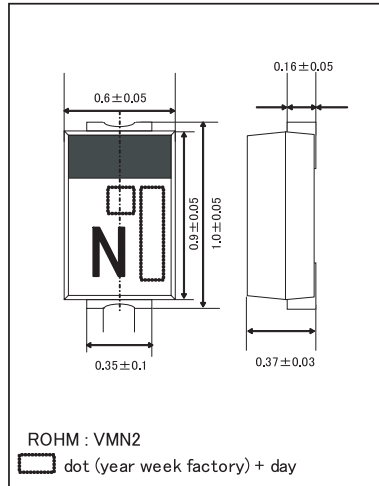
●Features

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

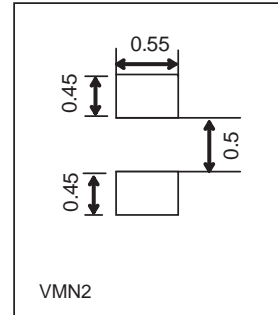
●Construction

Silicon epitaxial planer

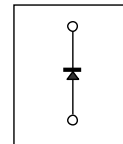
●Dimensions (Unit : mm)



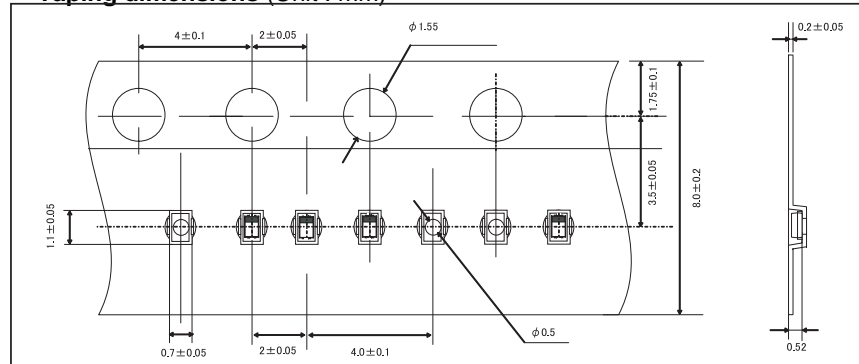
●Lead size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



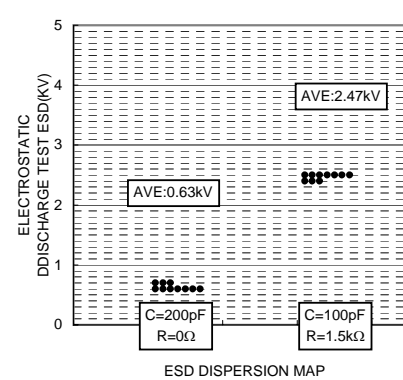
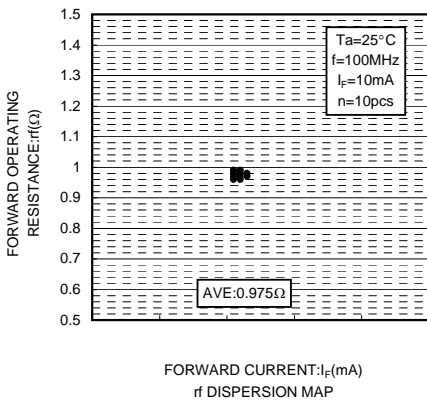
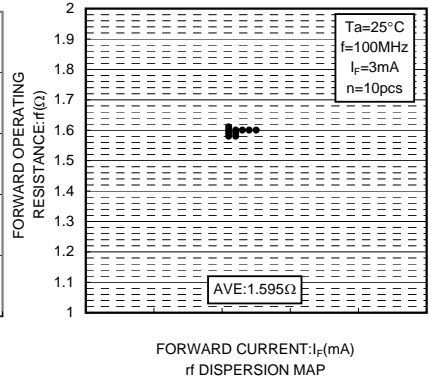
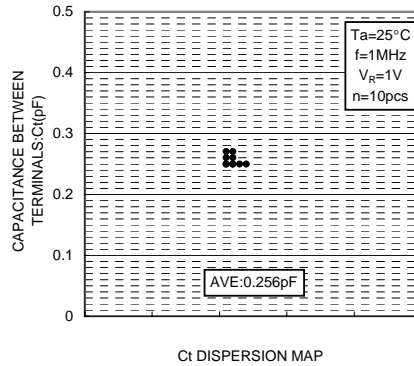
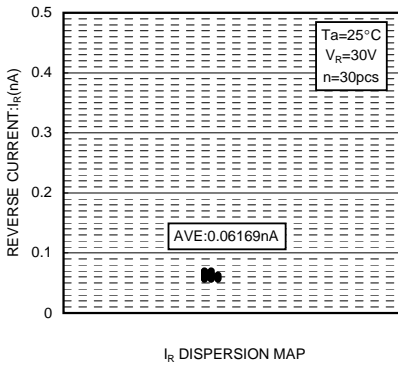
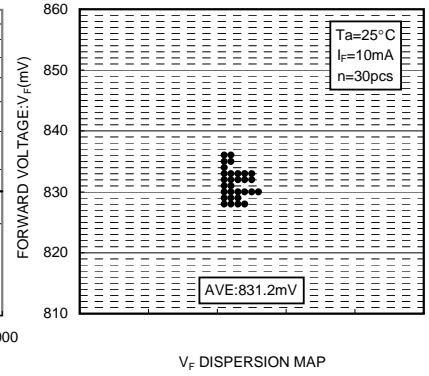
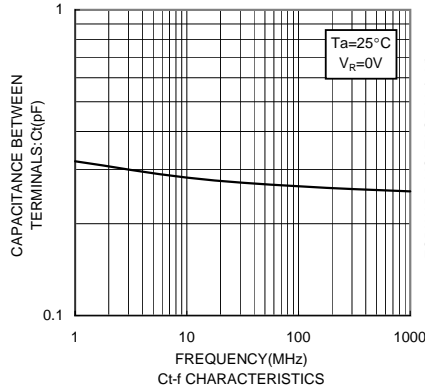
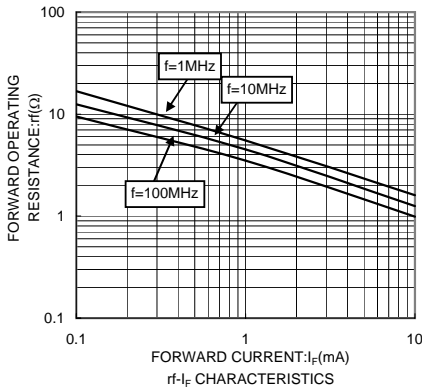
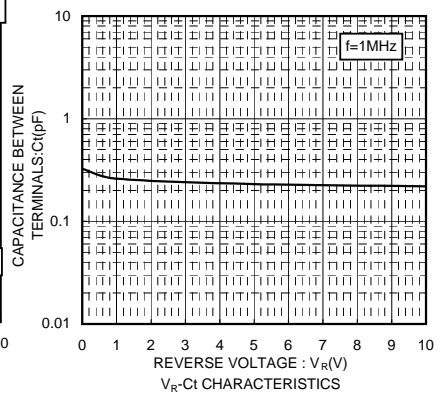
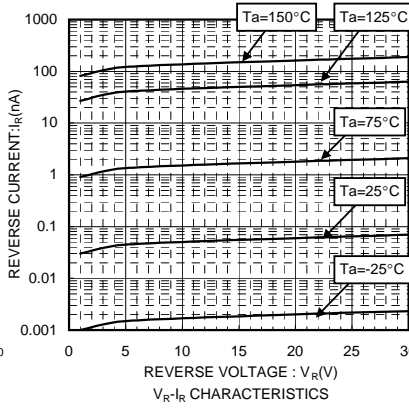
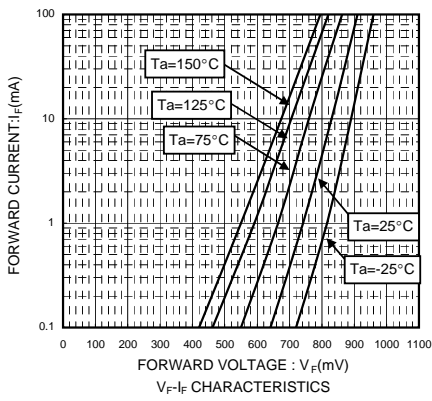
●Absolute maximum ratings (Ta=25°C)

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	$I_F=10mA, f=100MHz$

●Electrical characteristic curves



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