

Diodes

# PIN diode

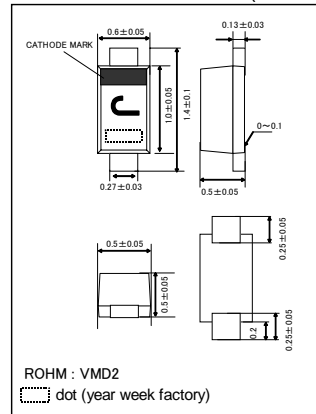
## RN141G

●Applications  
High frequency switching

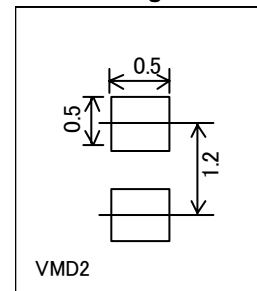
●Features  
1) Ultra small mold type. (VMD2)  
2) High frequency resistance is very small.

●Construction  
Silicon epitaxial planer

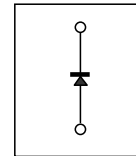
●External dimensions (Unit : mm)



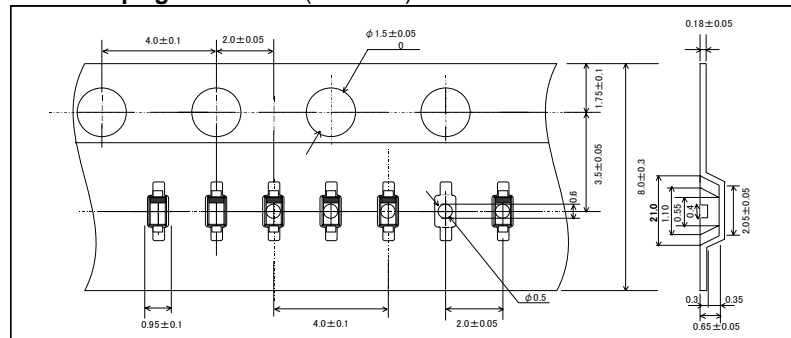
●Land size figure



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

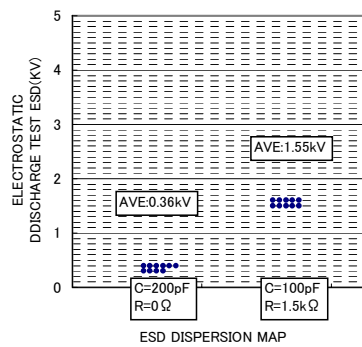
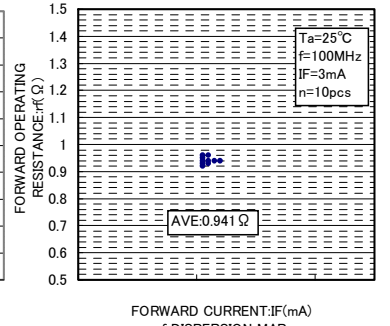
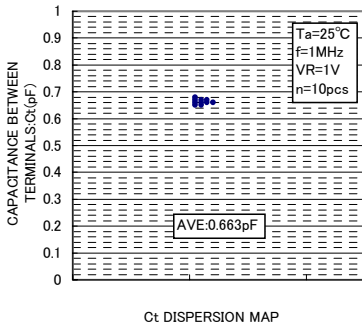
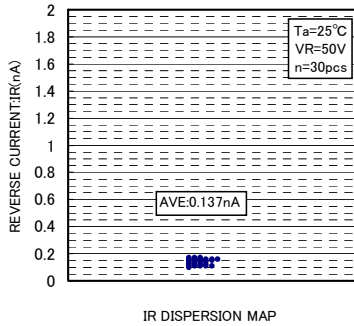
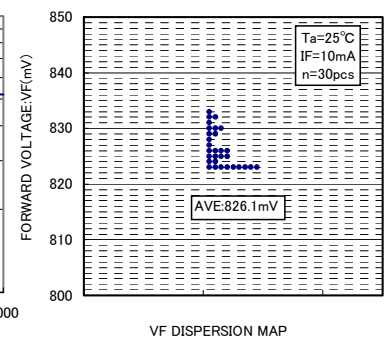
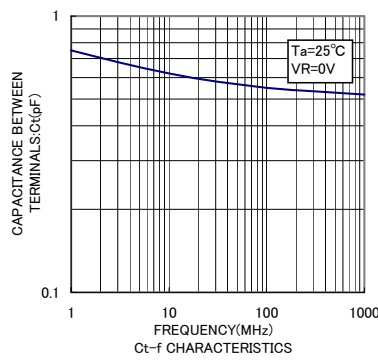
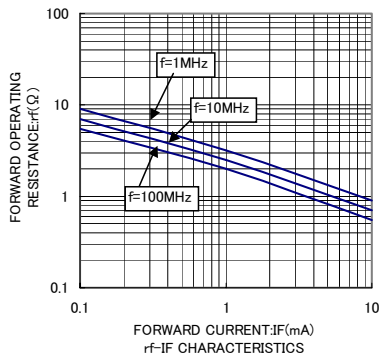
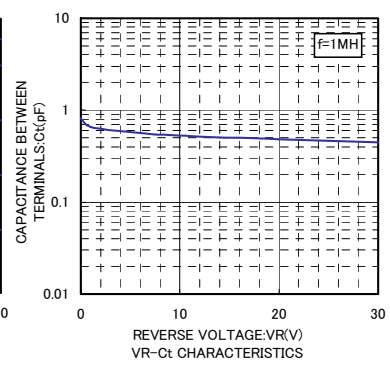
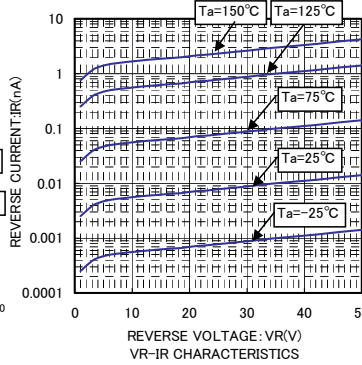
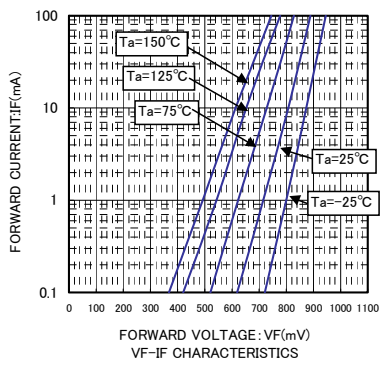
Parameter	Symbol	Limits	Unit
Reverse voltage	$V_R$	50	V
Forward current	$I_F$	100	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

●Electrical characteristic (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	$V_R=50V$
Capacitance between terminals	$C_t$	-	-	0.8	pF	$V_R=1V, f=1MHz$
High frequency resistance	$R_f$	-	-	2	Ω	$I_F=3mA, f=100MHz$

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●Electrical characteristic curves



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