

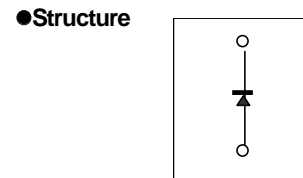
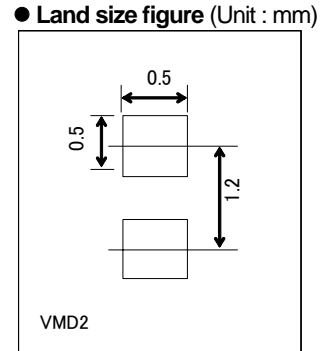
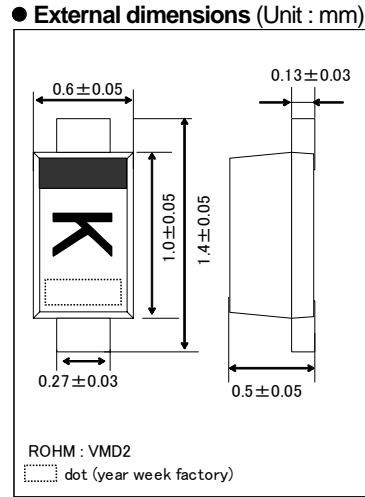
PIN diode

RN142G

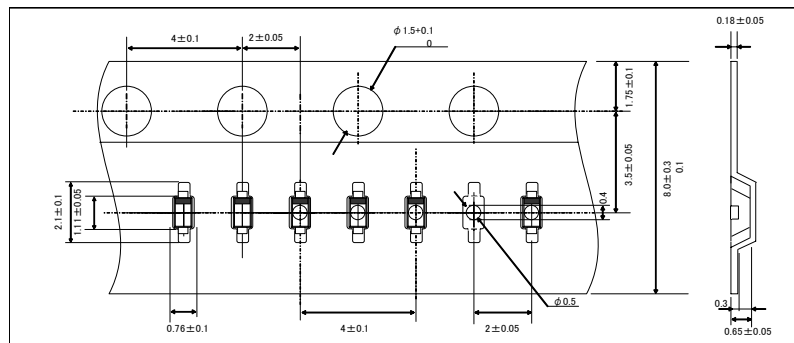
● **Applications**
High frequency switching

● **Features**
1) Ultra small mold type. (VMD2)
2) High frequency resistance which is small and low capacity.

● **Construction**
Silicon epitaxial planar



● **Taping specifications (Unit : mm)**



● **Absolute maximum ratings (Ta=25°C)**

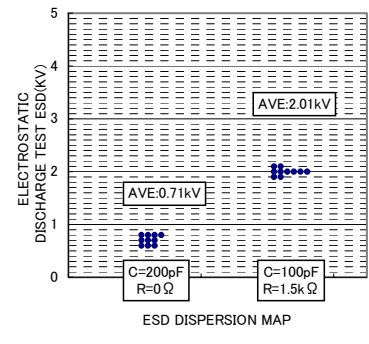
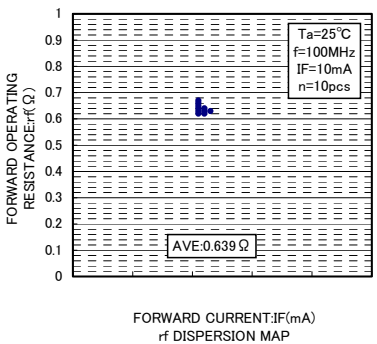
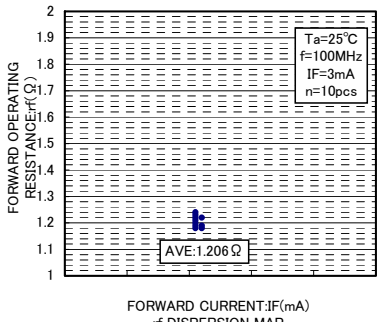
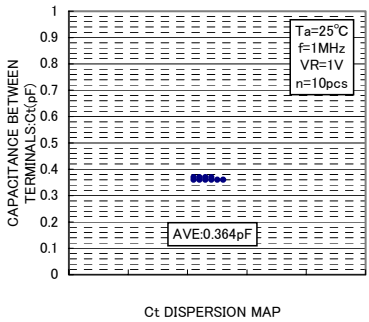
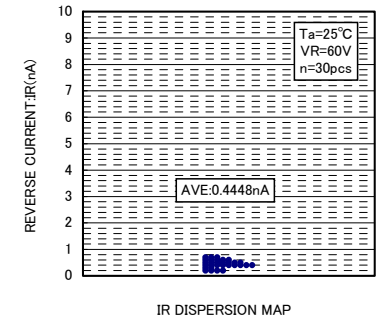
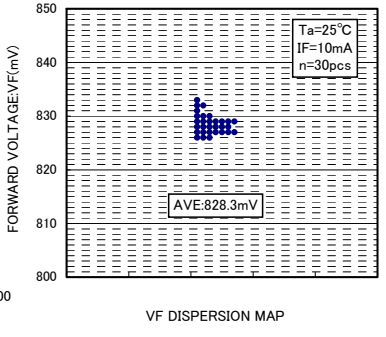
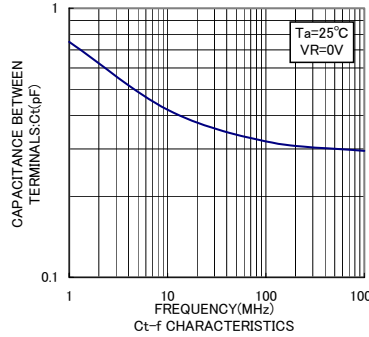
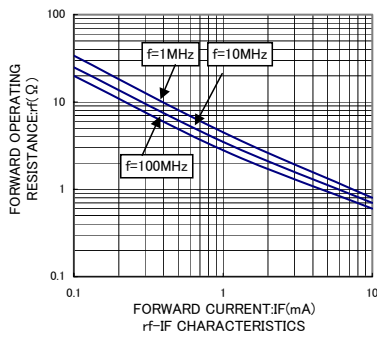
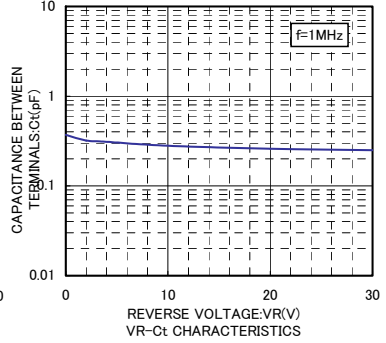
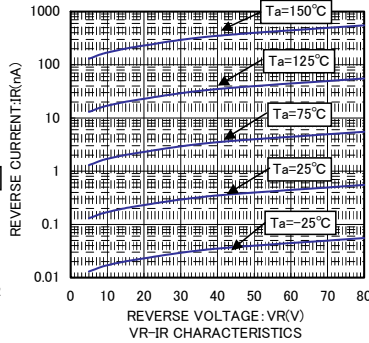
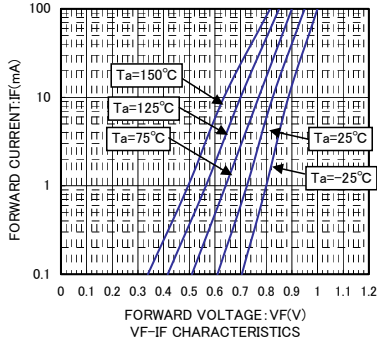
Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	60	V
Reverse current	I_F	100	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

● **Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1	V	$I_F=10\text{mA}$
Reverse current	I_R	-	-	0.1	μA	$V_R=60\text{V}$
Capacitance between terminals	C_t	-	-	0.45	pF	$V_R=1\text{V}, f=1\text{MHz}$
High frequency resistance	R_f	-	-	3	Ω	$I_F=3\text{mA}, f=100\text{MHz}$
		-	-	2	Ω	$I_F=10\text{mA}, f=100\text{MHz}$

Diodes

●Electrical characteristic curves (Ta=25°C)



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