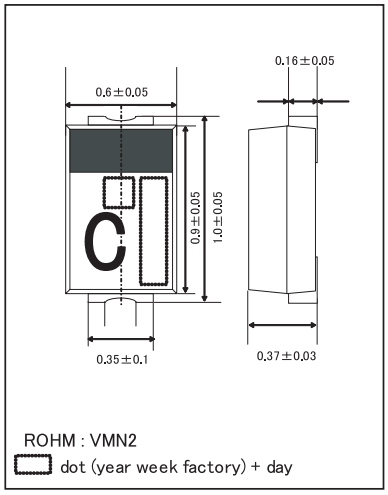
PIN diode

RN262CS

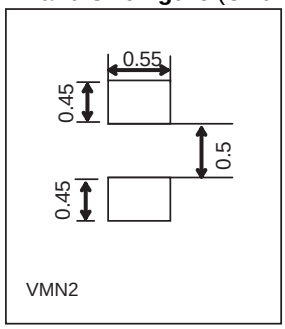
●Applications
High frequency switching

●Features
1) Ultra small mold type. (VMN2)
2) Low high-frequency forward resistance / low capacitance (C_T).

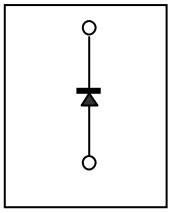
●Dimensions (Unit : mm)



●Land size figure (Unit : mm)

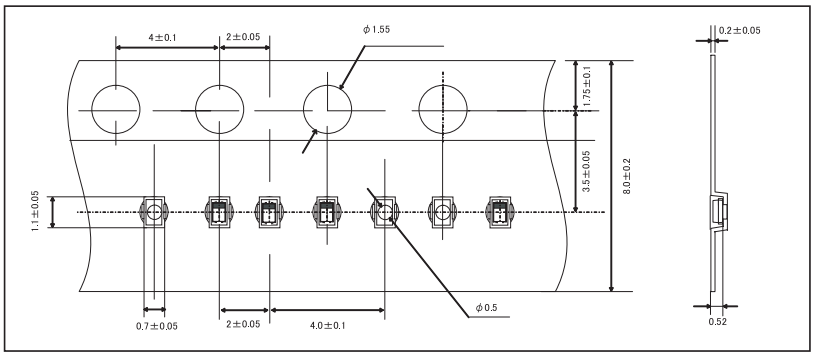


●Structure



●Construction
Silicon epitaxial planar

●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

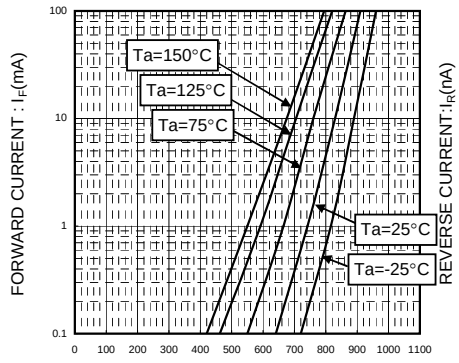
Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	30	V
Forward current	I_F	100	mA
Power dissipation	P_d	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

●Electrical characteristics (Ta=25°C)

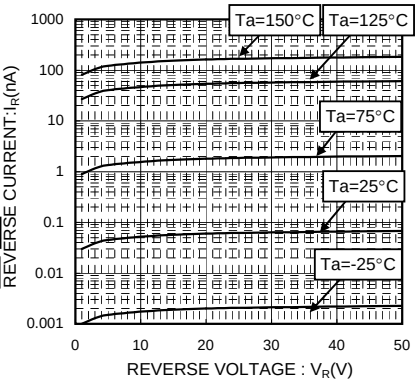
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1	V	I_F=10mA
Reverse current	I_R	-	-	0.1	μA	V_R=30V
Capacitance between terminals	Ct	-	-	0.4	pF	V_R=1V , f=1MHz
High frequency resistance	Rf	-	-	2.8	Ω	I_F=3mA,f=100MHz
		-	-	1.5	Ω	I_F=10mA,f=100MHz

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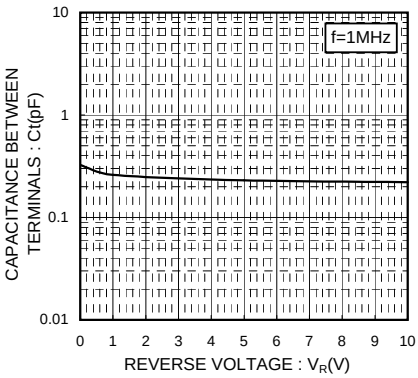
●Electrical characteristics curves



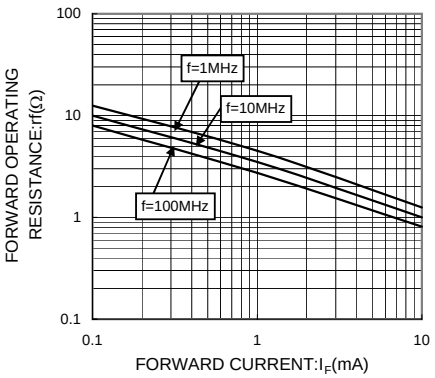
V_F-I_F CHARACTERISTICS



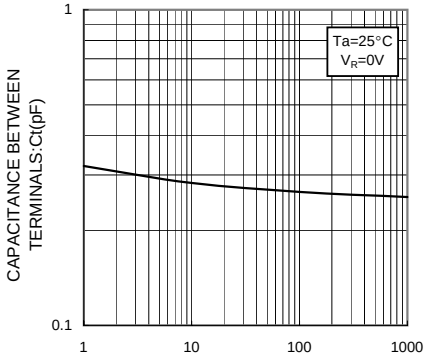
V_R-I_R CHARACTERISTICS



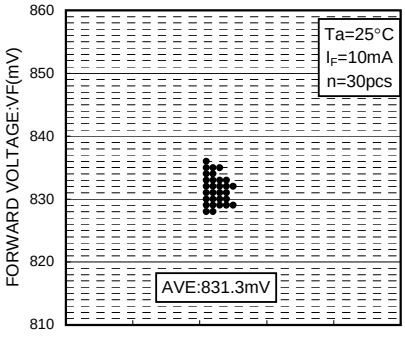
V_R-Ct CHARACTERISTICS



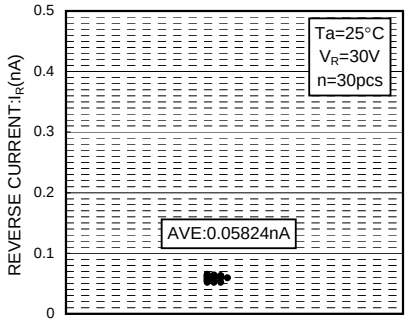
rf-I_F CHARACTERISTICS



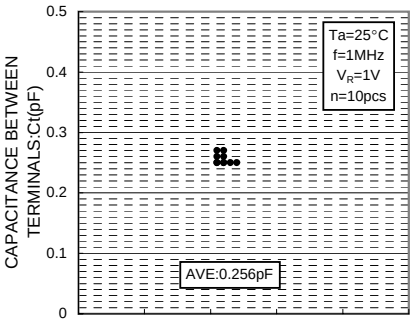
Ct-f CHARACTERISTICS



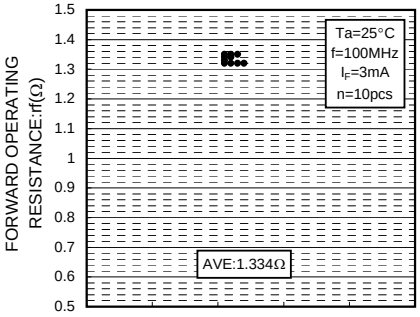
V_F DISPERSION MAP



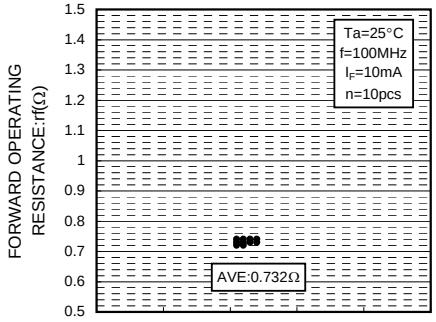
I_R DISPERSION MAP



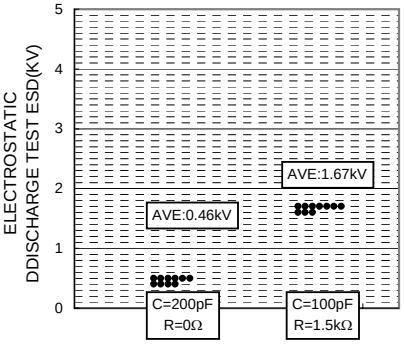
Ct DISPERSION MAP



FORWARD CURRENT:I_F(mA)
rf DISPERSION MAP



FORWARD CURRENT:I_F(mA)
rf DISPERSION MAP



ESD DISPERSION MAP

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