Pin diode

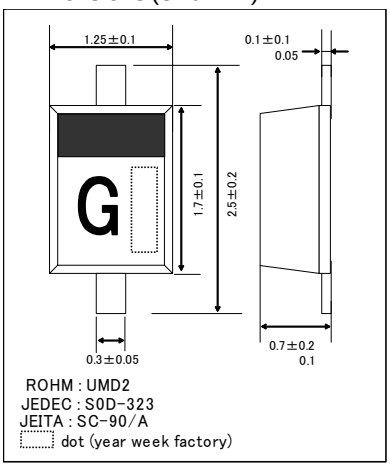
RN741V

●**Applications**
Attenuator

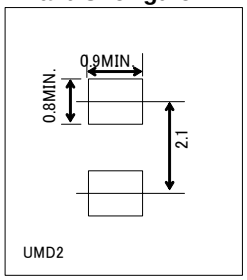
●**Features**
1) Small mold type. (UMD2)
2) Low capacitance

●**Construction**
Silicon epitaxial planar

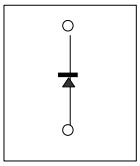
●**Dimensions** (Unit : mm)



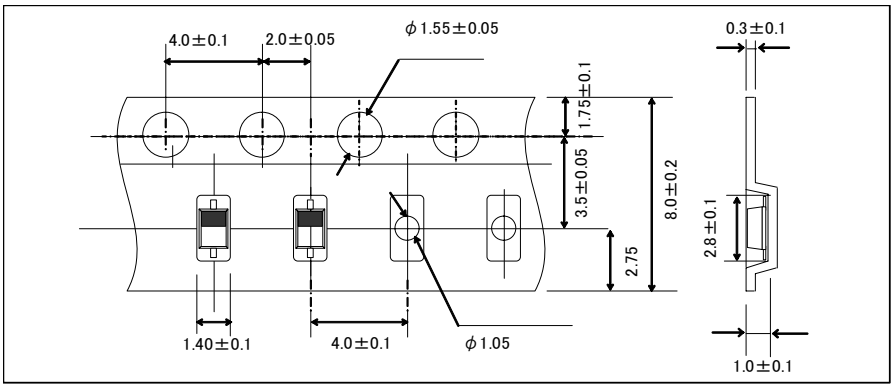
●**Land size figure**



●**Structure**



●**Taping dimensions** (Unit : mm)



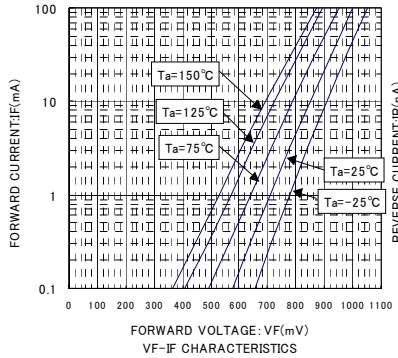
●**Absolute maximum ratings** (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage	V_R	50	V
Forward current	I_F	50	mA
Junction temperature	Tj	150	℃
Storage temperature	Tstg	-55 to +150	℃

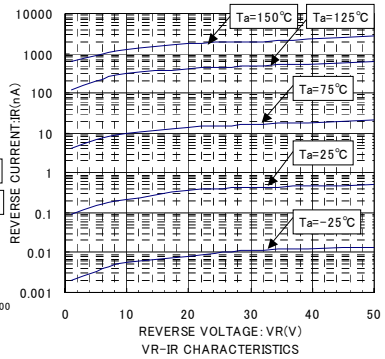
●**Electrical characteristic** (Ta=25°C)

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 current	Ct	-	-	0.4	pF	V_R=35V , f=1MHz
High frequency resistance	Rf	-	-	10	Ω	I_F=10mA,f=100MHz

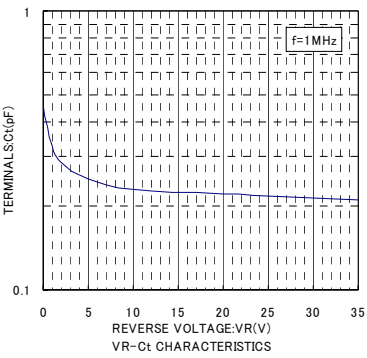
●Electrical characteristic curves



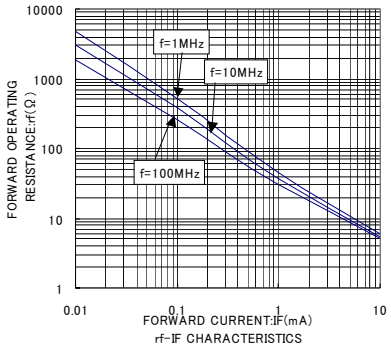
VF-IF CHARACTERISTICS



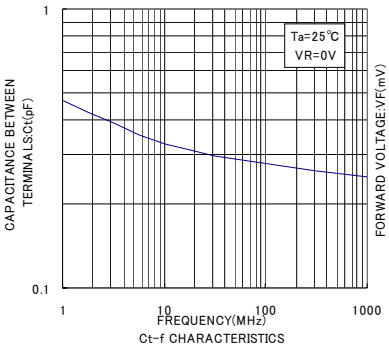
VR-IR CHARACTERISTICS



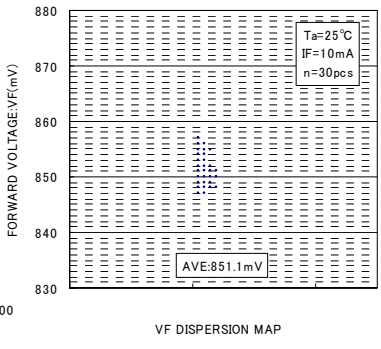
VR-Ct CHARACTERISTICS



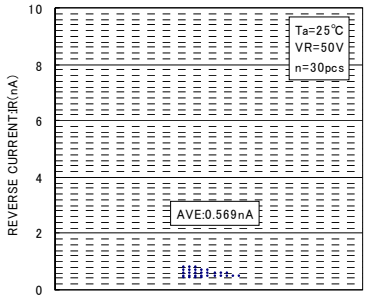
rf-IF CHARACTERISTICS



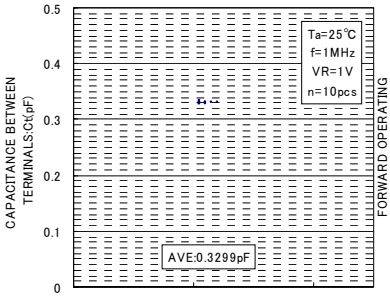
Ct-f CHARACTERISTICS



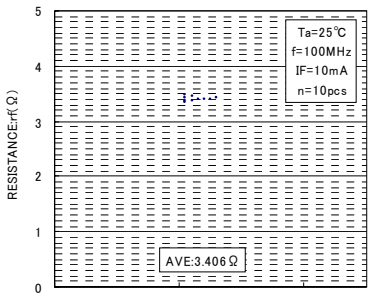
VF DISPERSION MAP



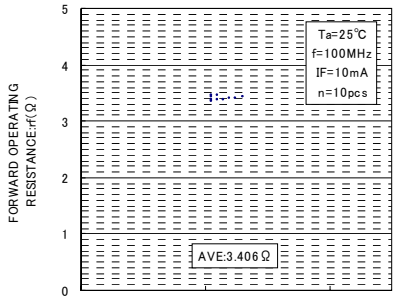
IR DISPERSION MAP



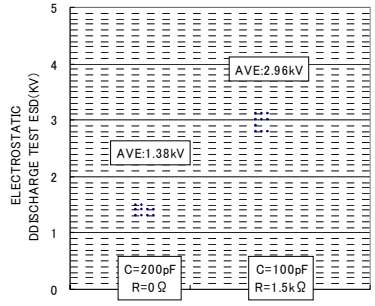
Ct DISPERSION MAP



FORWARD CURRENT:IF(mA)
rf DISPERSION MAP



FORWARD CURRENT:IF(mA)
rf DISPERSION MAP



ESD DISPERSION MAP

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