PIN diode

RN731V

●**Applications**

VHF / UHF band variable attenuators and AGC.

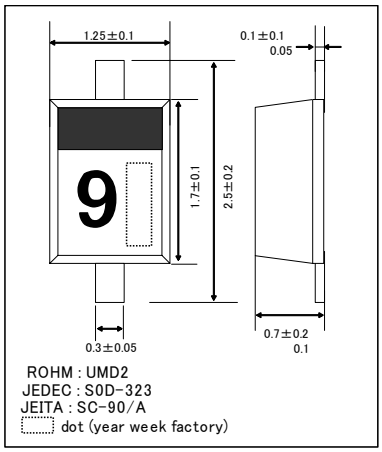
●**Features**

1) Small mold type. (UMD2)
2) Low high-frequency forward resistance / low capacitance (C_T).

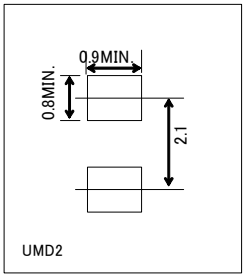
●**Construction**

Silicon epitaxial planar

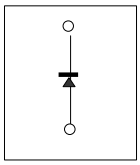
●**Dimensions** (Unit : mm)



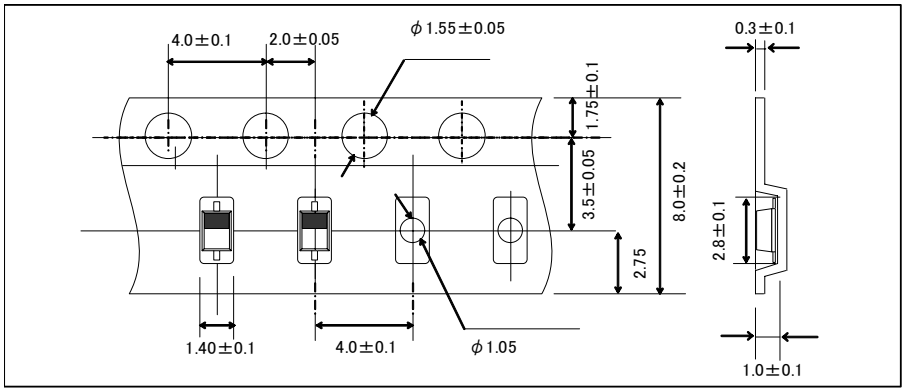
●**Land size figure** (Unit : mm)



●**Structure**



●**Taping dimensions** (Unit : mm)



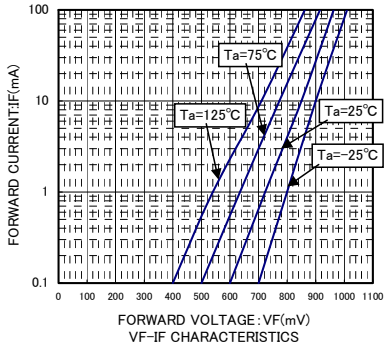
●**Absolute maximum ratings** (Ta=25°C)

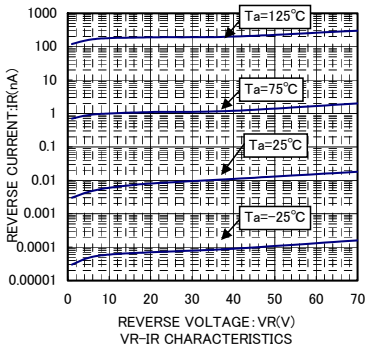
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	50	V
Forward current (DC)	I_F	50	mA
Power dissipation	P_d	100	mW
Junction temperature	Tj	125	℃
Storage temperature	Tstg	-55 to +125	℃

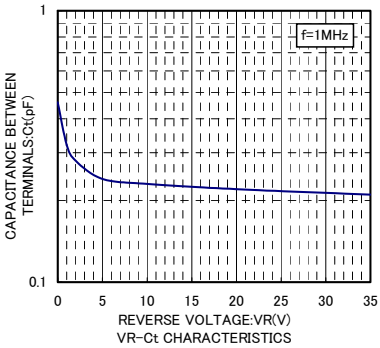
●**Electrical characteristics** (Ta=25°C)

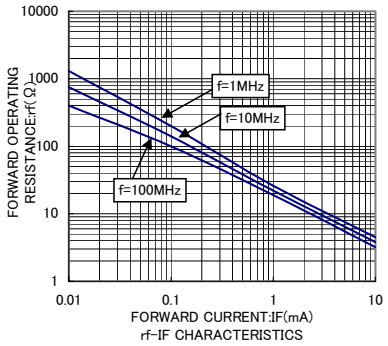
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1	V	I_F=50mA
Reverse current	I_R	-	-	0.1	μA	V_R=50V
Capacitance between terminal	Ct	-	-	0.4	pF	V_R=35V , f=1MHz
High frequency resistance	Rf	-	-	7	Ω	I_F=10mA,f=100MHz

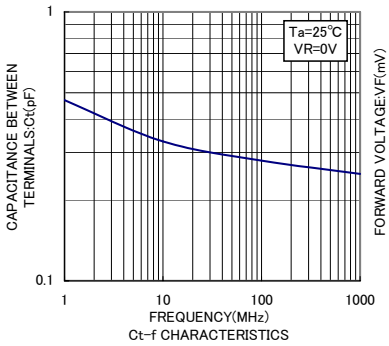
●**Electrical characteristic curves** (Ta=25°C)

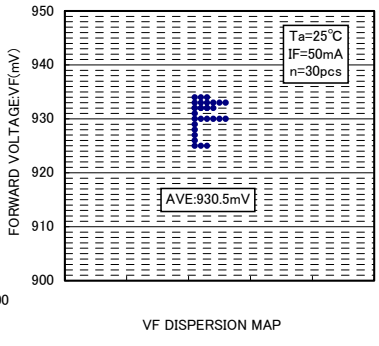


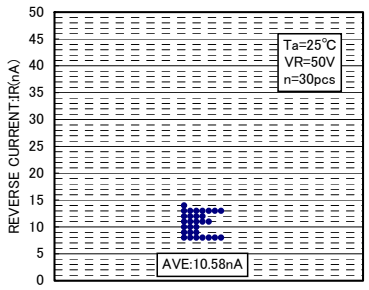


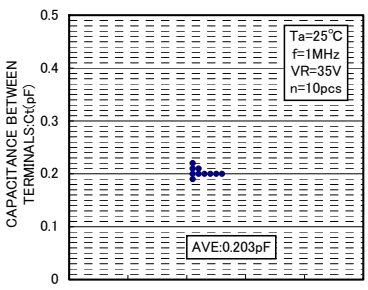


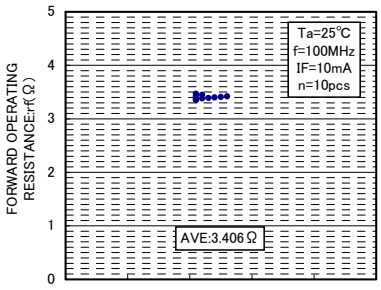


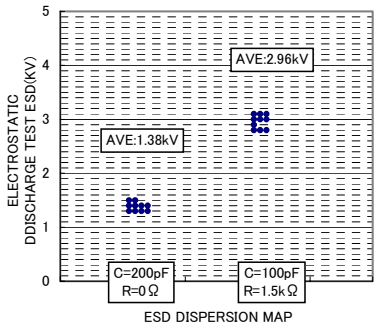












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