PIN Diode

RN142ZS

Applications

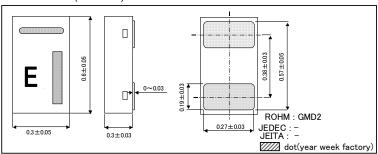
High frequency switching

Features

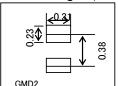
- 1) Ultra small mold type. (GMD2)
- 2) Low high-frequency forward resistance (rF)./ low capacitance (C_T).

• Construction Silicon epitaxial planar

• Dimensions (Unit: mm)



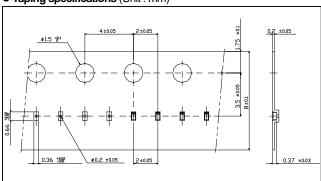
• Land size figure (Unit : mm)



Structure



• Taping specifications (Unit : mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Forward current(DC)	I _F	50	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

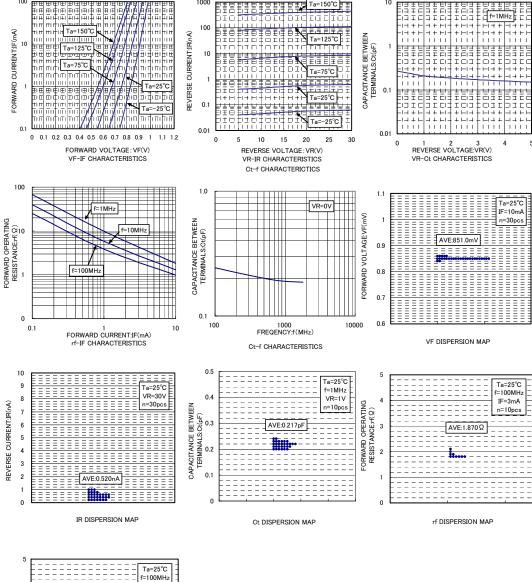
• Electrical characteristic (Ta=25°C)

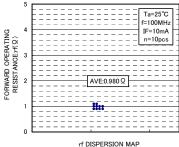
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	1.0	V	I _F =10mA
Reverse current	I_R	-	-	0.1	μΑ	V _R =30V
Capacitance between terminals	Ct	-	-	0.45	pF	V _R =1.0V , f=1MHz
Forward resistance	Rf	•	-	1.5	Ω	I _F =10mA,f=100MHz
	Rf	-	-	2.5	Ω	I _F =3mA,f=100MHz

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Electrical characteristic curves





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Appendix1-Rev2.0