PIN Diode

RN142ZS12A

Applications

High frequency switching

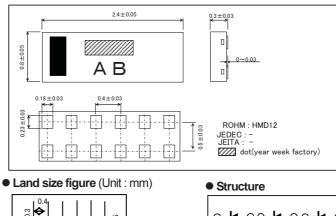
Features

- 1) Ultra small mold type (HMD12)
- 2) Low high-frequency forward resistance (rF)
 - / low capacitance (C_T).

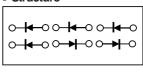
Construction

Silicon epitaxial planar

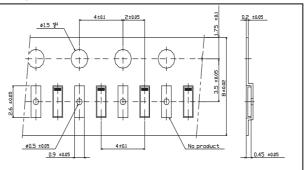
• Dimensions (Unit : mm)



♦ ℣ℍℍℿℿℿℿ ¥ HMD12 0.25



• Taping specifications (Unit : mm)



• Absolute maximum ratings (Ta=25°C)

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Parameter	Symbol Limits		Unit
Reverse voltage (DC)	V _R	30	V
Forward current(DC)	١ _F	50	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

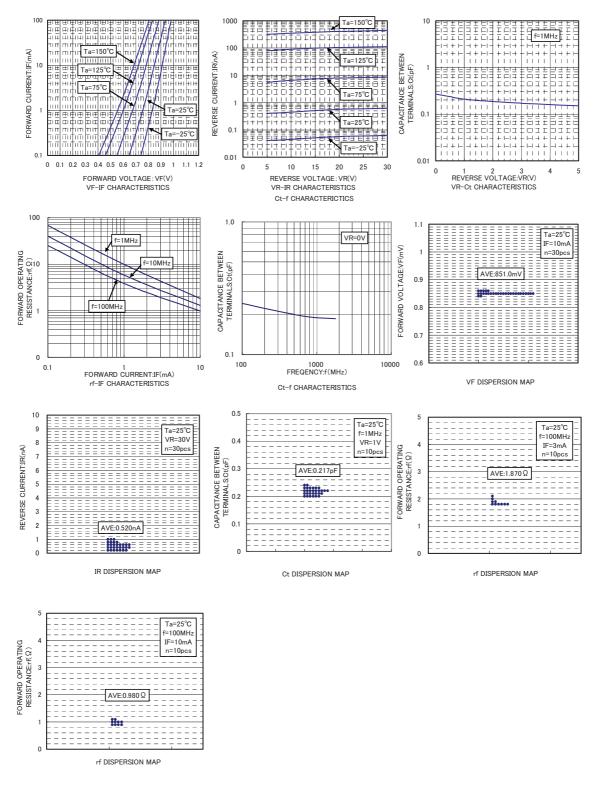
• Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	1.0	V	I _F =10mA
Reverse current	I _R	-	-	0.1	μA	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



Diodes





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Appendix1-Rev2.0

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