

# PIN diode

## RN141SFH

**●Applications**

High frequency switching

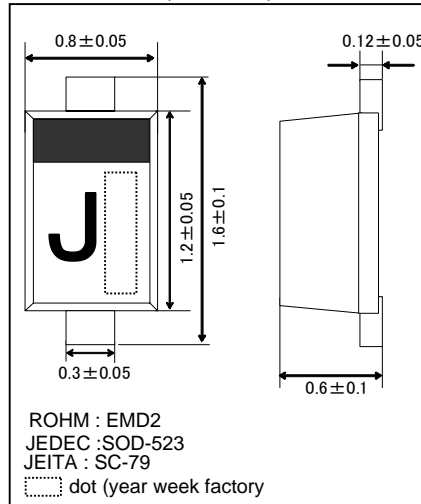
**●Features**

- 1) Ultra small mold type. (EMD2)
- 2) High frequency resistance is very small.

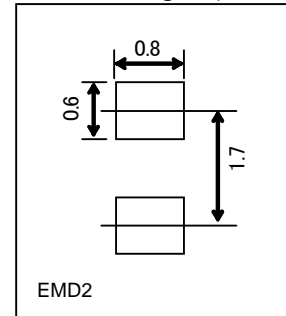
**●Construction**

Silicon epitaxial planer

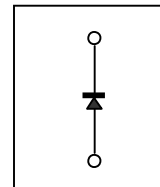
**●Dimensions (Unit : mm)**



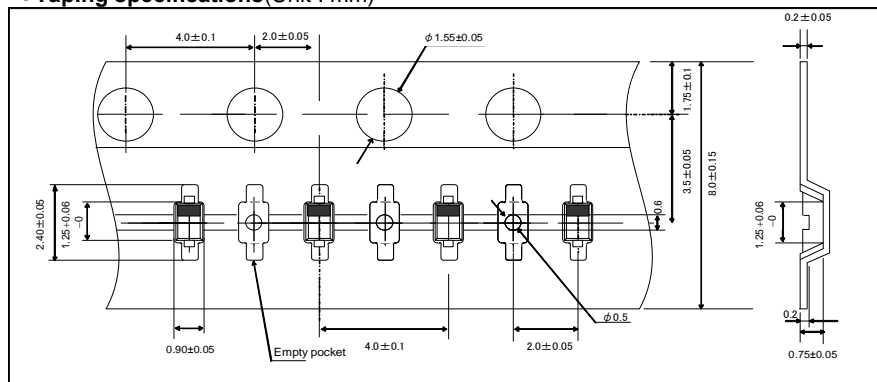
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**

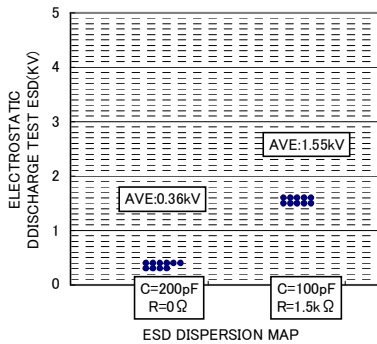
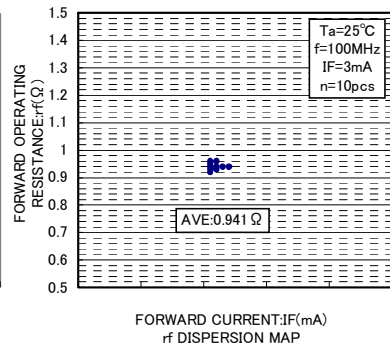
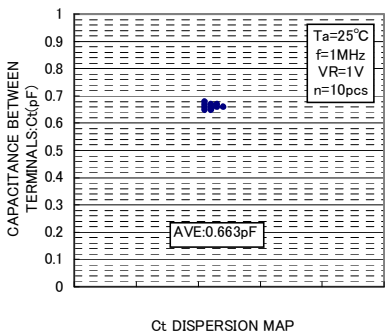
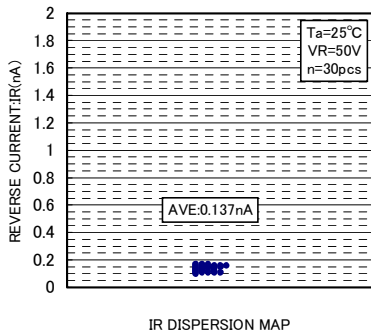
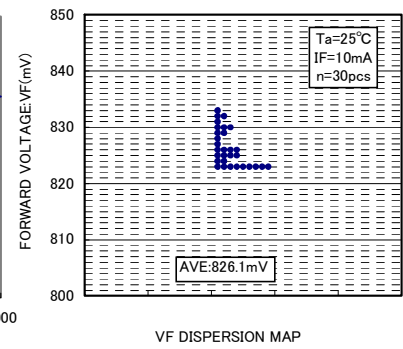
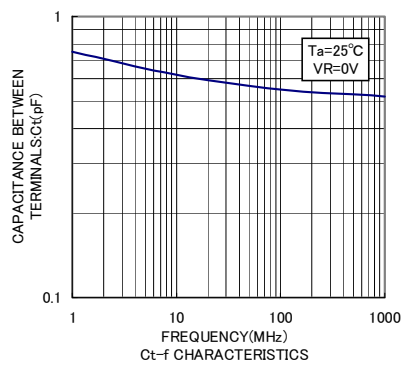
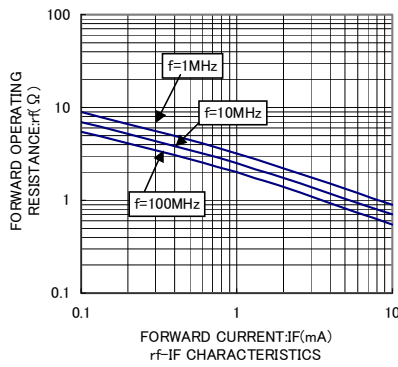
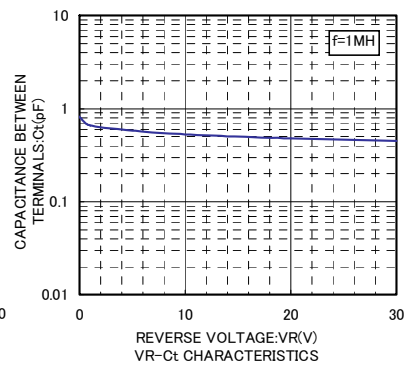
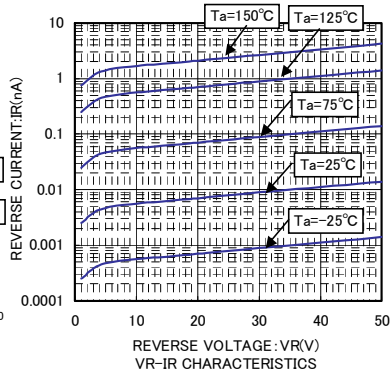
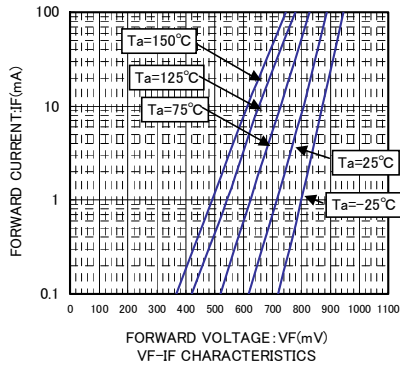


**●Absolute maximum ratings (Ta=25°C)**

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	$V_R$	50	V
Reverse current (DC)	$I_F$	100	mA
Junction temperature	$T_j$	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	1.0	V	$I_F=10\text{mA}$
Reverse current	$I_R$	-	-	0.1	$\mu\text{A}$	$V_R=50\text{V}$
Capacitance between terminals	$C_t$	-	-	0.8	pF	$V_R=1.0\text{V}$ , $f=1\text{MHz}$
Forward resistance	$R_f$	-	-	2	$\Omega$	$I_F=3\text{mA}$ , $f=100\text{MHz}$



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