

PIN diode

RN142S

Applications

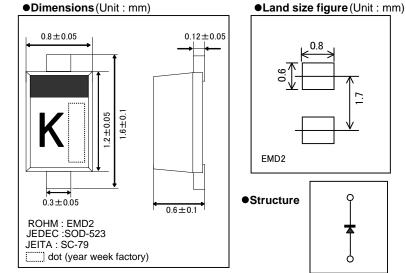
High frequency switching

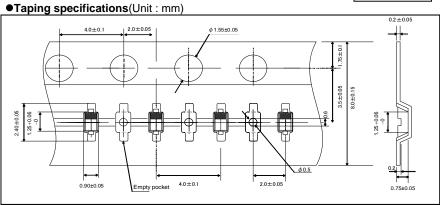
● Features

- 1) Ultra small mold type (EMD2)
- 2) High frequency resistance which is small and low capacity.

Construction

Silicon epitaxial planar



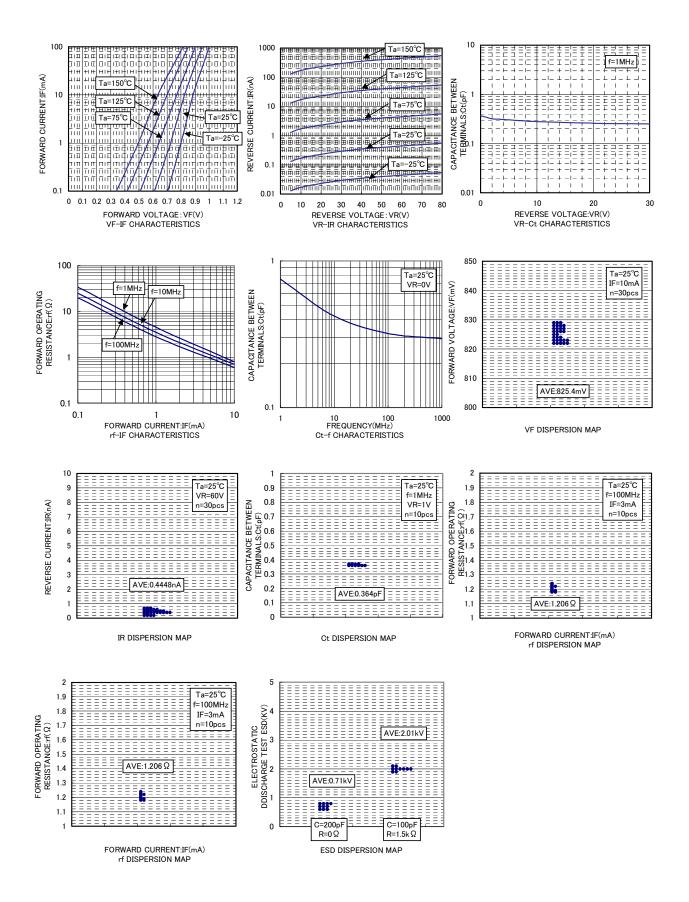


● Absolute maximum ratings(Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	60	V
Forward current (DC)	I _F	100	mA
Power dissipation	P_d	150	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

●Electrical characteristics(Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Forward voltage	V_{F}	-	-	1.00	V	I _F =10mA	
Reverse current	I _R	-	-	0.1	μΑ	V _R =60V	
Capacitance between terminals	Ct	-	-	0.45	pF	V _R =1.0V , f=1MHz	
Forward resistance	Rf	-	-	3	Ω	I _F =3mA,f=100MHz	
		-	-	2	Ω	I _F =10mA,f=100MHz	



Notes

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