PIN diode

RN142G

Application

High frequency switching

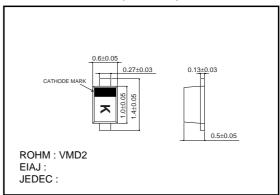
Features

- 1) Ultra small mold type (VMD2)
- 2) High frequency resistance which is small and low capacity.

Construction

Silicon epitaxial planer

●External dimensions (Units : mm)



● Absolute maximum ratings (Ta=25°C)

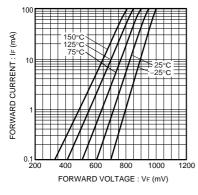
Parameter	Symbol	Limits	Unit
Reverse voltage	VR	60	V
Forward current	lF	100	mA
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55~+150	°C

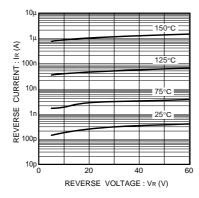
●Electrical characteristics (Ta=25°C)

•	-					
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	_	-	1.0	V	I==10mA
Reverse current	IR	_	_	0.1	μΑ	V _R =60V
Capacitance between terminal	Ст	_	_	0.45	pF	V _R =1.0V, f=1.0MHz
Foward resistance	ľF	_	_	3.0	Ω	I=3mA, f=100MHz
		_	_	2.0	Ω	I _F =10mA, f=100MHz

^{*} Please pay attention to static electricity when handling.

●Electrical characteristic curves (Ta=25°C)





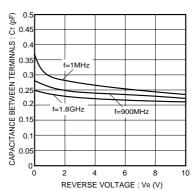


Fig.1 Forward caharacteristics

Fig.2 Reverse characteristics

Fig.3 Capacitance vs. Reverse voltage

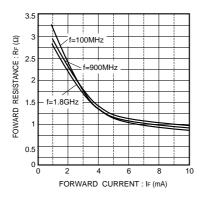


Fig.4 Forward resistance vs. Forward current

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