Diodes

**PIN** diode

# RN142G

### Application

High frequency switching

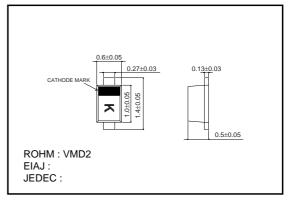
#### Features

- 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)

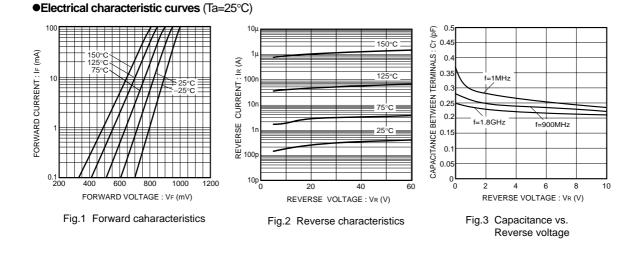
Parameter	Symbol	Limits	Unit			
Reverse voltage	VR	60	V			
Forward current	lF	100	mA			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55~+150	°C			

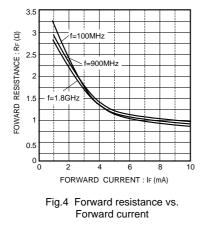
#### •Electrical characteristics (Ta=25°C)

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

\* Please pay attention to static electricity when handling.

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