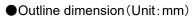
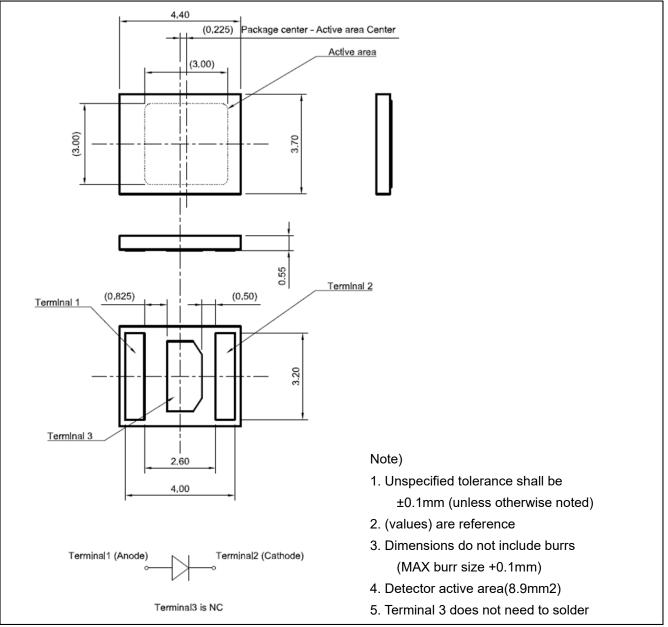
#### Applications

- Consumer electronics, Industrial electronics
- Wearables
- ·Other general-purpose applications

#### Features

- Thickness 0.55mm
- Improved green wavelength sensitivity for the pulse wave sensing
- Infrared wavelength is also active sensor area
- · High active area ratio to the package area





## **RPMD-0132**

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

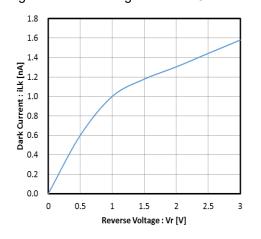
Parameter	Symbol	Values	Unit
Reverse Voltage	Vr	3	V
Operating Temperature	Topr	-25 to +75	°C
Storage Temperature	Tstg	-40 to +85	°C

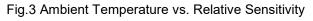
### • Electrical and Optical characteristics ( $Ta = 25^{\circ}C$ )

Parameter	Symbol	Conditions	Values			Linit
		Conditions	Min.	Тур.	Max.	Unit
DC Sensitivity	Re	1mW/cm2 DC	0.42	0.57	-	A/W
		λ=940nm, Vr=1V				
		1mW/cm2 DC	0.30	0.38	-	
		λ=525nm, Vr=1V				
Dark Current	iLk	Vr=1V	-	1	20	nA
Diode Capacitance	Cd	Vr=1V, f=1MHz	-	30	-	pF
Breakdown Voltage	Vbr	lr=2µA	15	-	-	V









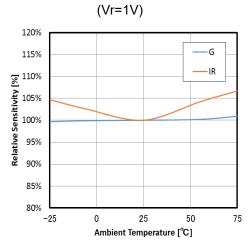
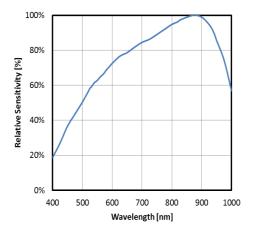
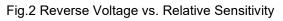


Fig.5 Wavelength vs. Relative Sensitivity







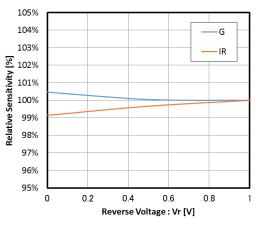


Fig.4 Ambient Temperature vs. Dark Current (Vr=1V)

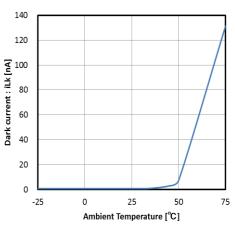
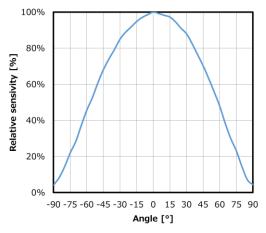


Fig.6 Angle vs. Relative Sensitivity



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