

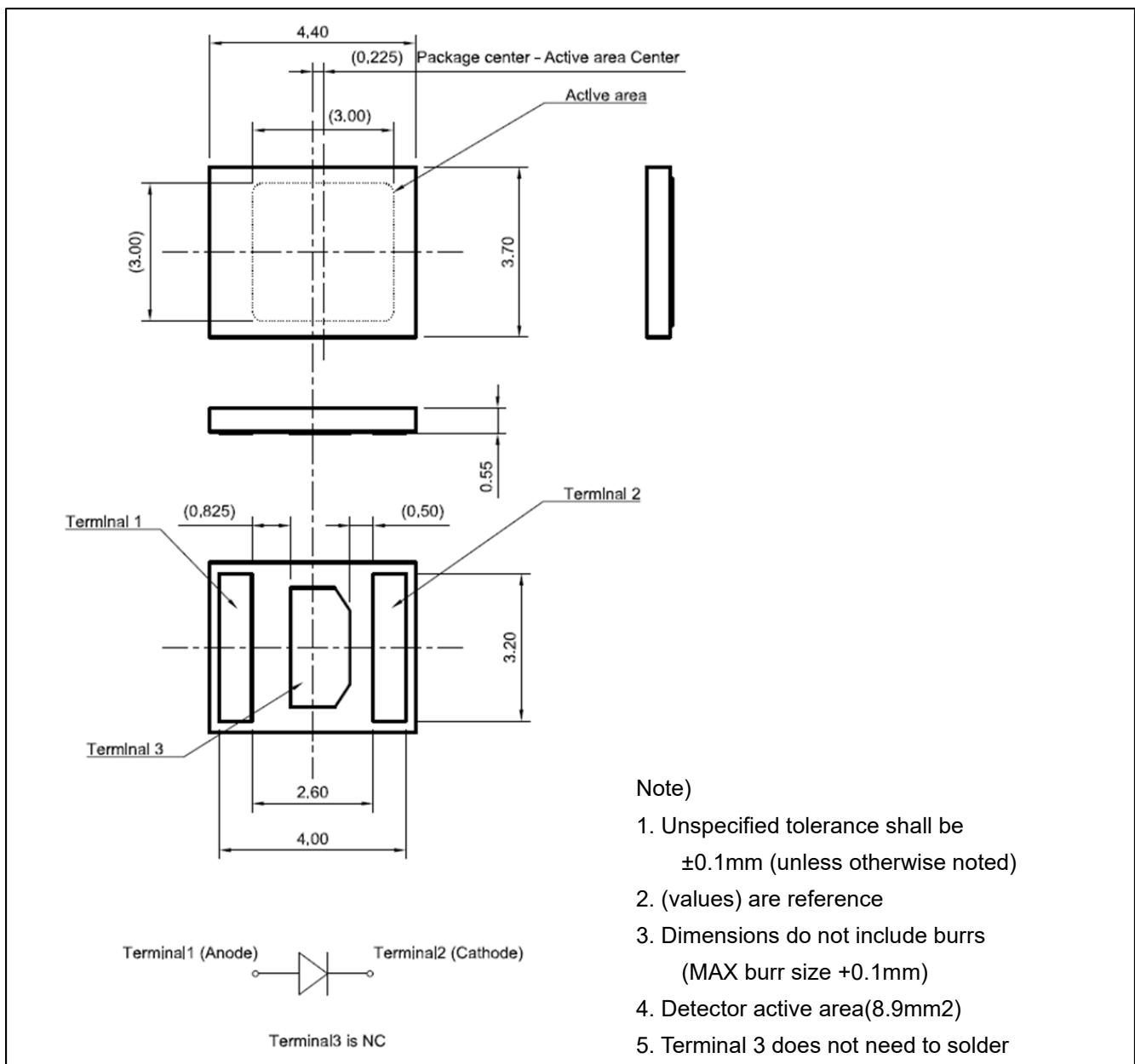
●Applications

- 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

●Outline dimension (Unit: mm)



● 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°C)

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

●Electrical and Optical characteristic curves

Fig.1 Reverse Voltage vs. Dark Current

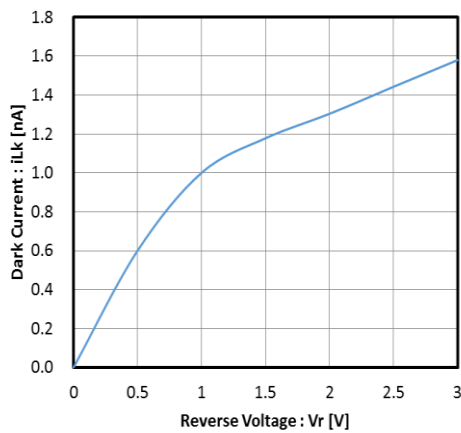


Fig.2 Reverse Voltage vs. Relative Sensitivity

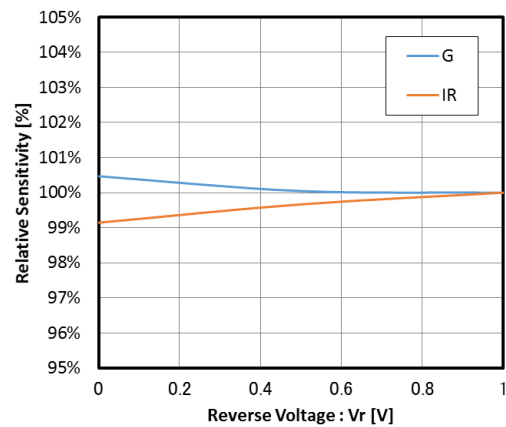


Fig.3 Ambient Temperature vs. Relative Sensitivity (Vr=1V)

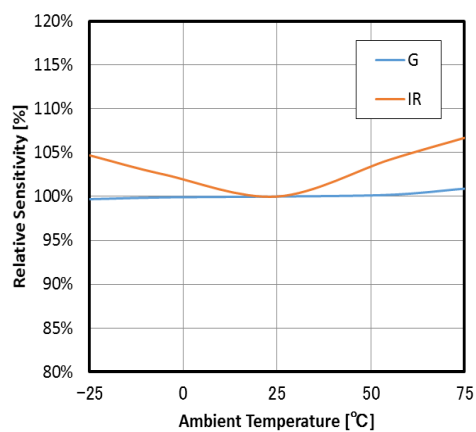


Fig.4 Ambient Temperature vs. Dark Current (Vr=1V)

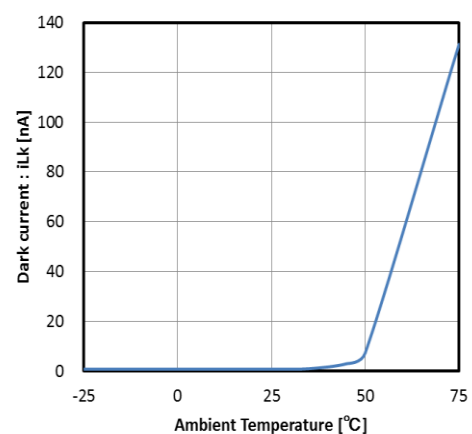


Fig.5 Wavelength vs. Relative Sensitivity

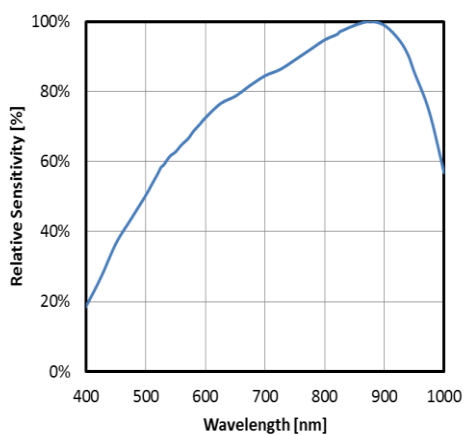
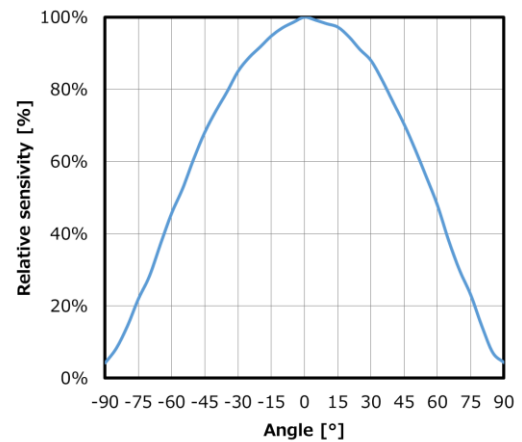


Fig.6 Angle vs. Relative Sensitivity



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