

# 2200nm InGaAs 1000um PIN PD (AG) TO-46 datasheet

P/N : WIT4-1000L

## FEATURES

High responsivity  
Low dark current  
900-2200nm Spectral range

## APPLICATIONS

CO<sub>2</sub> Gas sensor  
Optical sensor  
Optical power meter  
Response spectrum testing

## Electro-Optical Characteristics ( @ Ta =25 °C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Active Window	$\psi$		-	1000	-	um
Dark current	$I_d$	$V_r = -0.5V$	-	-	1000	nA
Responsivity	R	$V_r = 0V, @2000 \text{ nm}$	-	1.2	-	A/W
		$V_r = 0V, @1650 \text{ nm}$	-	1.2	-	A/W
		$V_r = 0V, @1550 \text{ nm}$	-	1	-	A/W
Capacitance	$C_p$	$V_r = 0V, f = 1MHz$	-	440	1000	pF
Wavelength range	$\lambda$		900	2004	2200	nm
Linear Saturated Power	$P_s$	$V_r = 0V$	2	-	-	mW

## ABSOLUTE MAXIMUM RATING

Parameter	Rating
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 120°C
Linear Saturated Power	2mW
Soldering Temperature	260 °C
Soldering Duration	10S

Dimensional outlines (unit: mm)

