

# 2200nm InGaAs 1000um PD TO-can datasheet

P/N : WIT4-1000G

## 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

## ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Min	Max.	Unit
Operating temperature	TSTG	°C	-55	125
Storage temperature	TC	°C	-40	85
Soldering temperature(time)	TL	°C		260/10sec

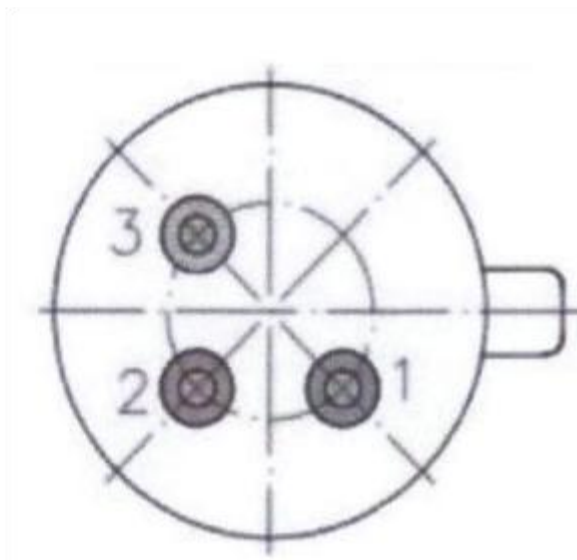
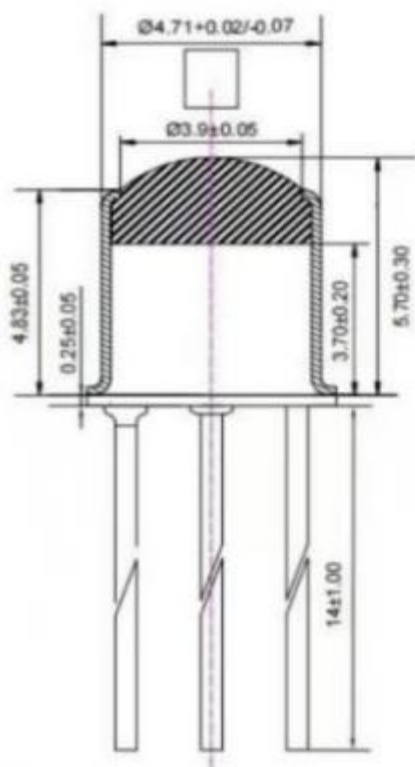
## Electrical-Optical Characteristics( T = 25°C )

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Active diameter	D	-	995	1000	1005	um
Dark current	ID	Vr=-0.5V	-	-	9	uA
Spectral range	λ	-	900	2004	2200	nm
Responsivity	R	Vr=0V,@2000 nm	0.9	1.0		A/W
Capacitance	C	VBR=-5V		440	1000	PF

## NOTICE

The suitable ESD protecting measures are recommend in storage,transporting and using.

## Pin Connection Type & Outline Drawings



Pin Number	Name
1	PD+
2	PD-
3	GND