

# 1654nm InGaAs 500um PD TO-can datasheet

P/N : WIT3-500AH

## FEATURES:

High responsivity  
900-1740nm Spectral range  
Low dark current

## APPLICATIONS:

Near-infrared sensing, gas sensing  
Monitoring  
Meter/Instruments



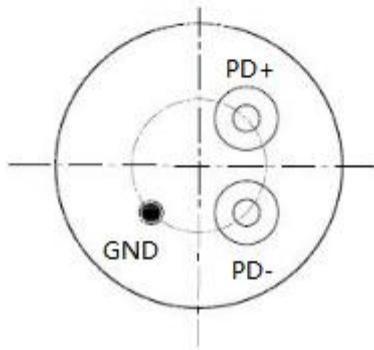
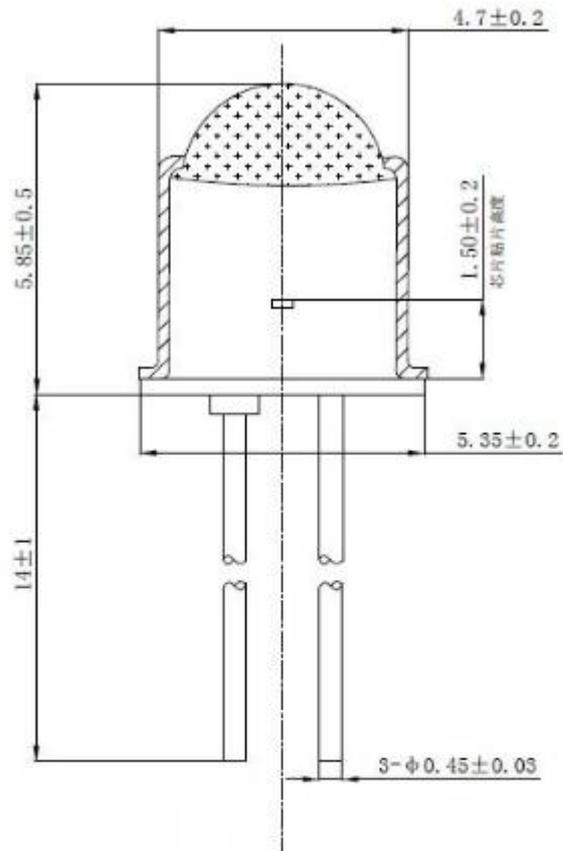
## Electrical-Optical Characteristics( T=25°C, Vcc=3.3V )

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Responsivity	R	@1654nm, VR=0V	0.9	1	-	A/W
Dark current	Id	VR=-5V	-	0.2	1	nA
Wavelength range	$\lambda$	-	900	1650	1740	nm
Active Area	$\phi$	-	498	500	502	um
Capacitance	C	VR=-5V	-	15	25	pF

## ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Min	Max.	Unit
Operating Temperature	Top	-40	85	°C
Storage Temperature	Tstg	-40	125	°C
Forward current	IF	-	10	mA

## Pin Connection Type & Outline Drawings



Pin Connection Type	
PIN	Number
1	PD+
2	PD-
3	GND