

1654nm InGaAs 300um PD TO-can datasheet

P/N : WIT3-300AX

FEATURES

High responsivity

Low dark current

900-1740nm Spectral range

APPLICATIONS

CH₄ Gas sensor

ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Min	Max.	Unit
Operating temperature	TSTG	°C	-40	85
Storage temperature	TC	°C	-40	85
Soldering temperature(time)	TL	°C		260/10sec
Forward current	I _{cc}	mA		10

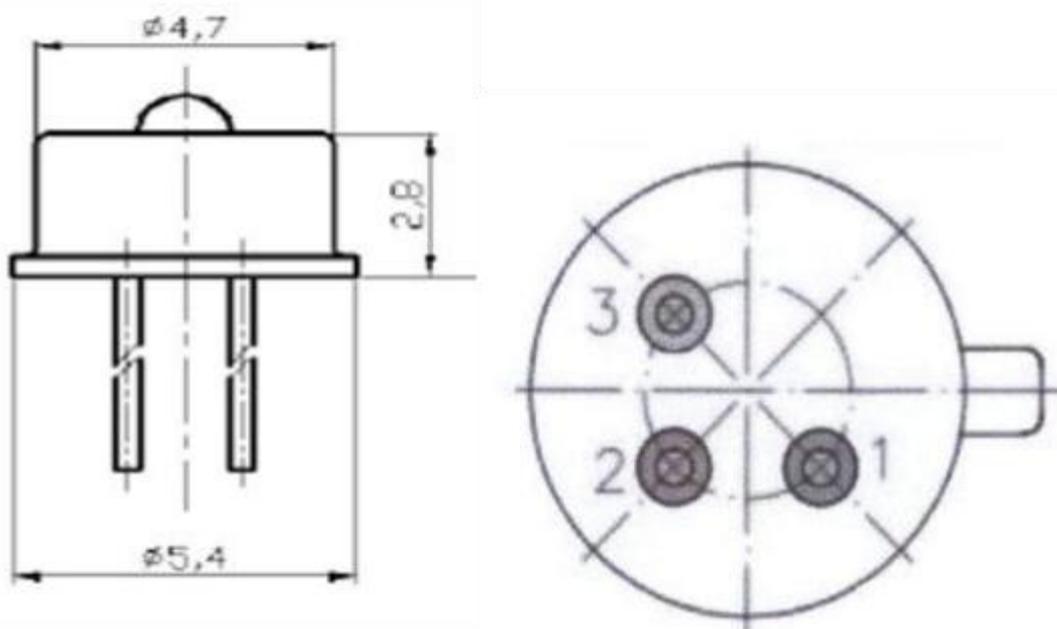
Electrical-Optical Characteristics(T = 25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Active diameter	D	-	295	300	305	um
Dark current	ID	VBR=-10V	-	0.2	1	nA
Spectral range	λ	-	900	1650	1740	nm
Responsivity	R	λ=1653nm	0.9	0.95		A/W
Capacitance	C	VBR=-5V		7	10	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