

# 1654nm InGaAs 300um PD SMD datasheet

P/N : WIS3-300A

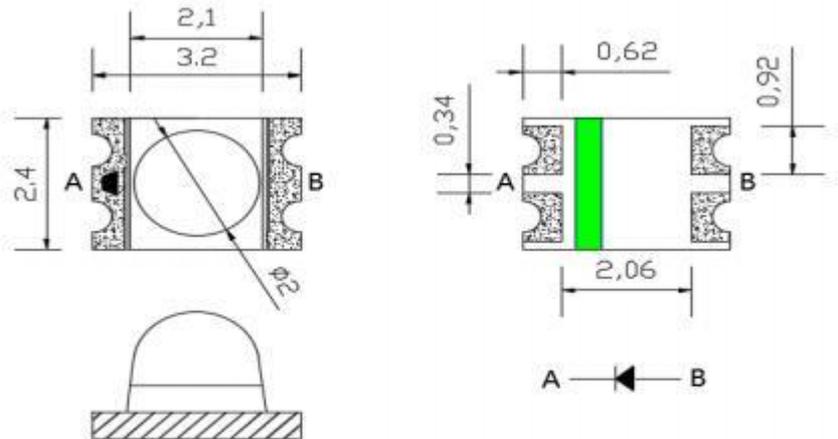
C/N: WIR3-300L

## FEATURES

High responsivity

Low Dark Current

Convenient for Automated packaging



## APPLICATIONS

CH<sub>4</sub> Gas sensor

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

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Active diameter	D	-	295	300	305	um
Spectral range	$\lambda$	-	900	1650	1740	nm
Dark current	$I_d$	$V_R = -10V$	-	-	1	nA
Responsivity	R	$\lambda = 1653nm$	0.9	0.95	-	A/W
Reverse Breakdown	$V_{br}$	$I_r = -1\mu A$	30	40	-	V
Capacitance	C	$V_R = -3V, 1MHz$	-	3	5	pF

## ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Min	Max.	Unit
Operating Temperature	$T_{op}$	-10	60	°C
Storage Temperature	$T_{stg}$	-40	125	°C
Forward current	$I_f$	-	10	mA