

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

P/N : WIT4-1000L

FEATURES

High responsivity
Low dark current
900-2200nm Spectral range

APPLICATIONS

CO₂ Gas sensor
Optical sensor
Optical power meter
Response spetcturm testing

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

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Active Window	ψ		-	1000	-	um
Dark current	Id	Vr=-0.5V	-	-	9	uA
Responsivity	R	Vr=0V,@2000 nm	-	1.2	-	A/W
		Vr=0V,@1650 nm	-	1.2	-	A/W
		Vr=0V,@1550 nm	-	1	-	A/W
Capacitance	Cp	Vr=0V, f=1MHz	-	440	1000	pF
Wavelength range	λ		900	2004	2200	nm
Linear Saturated Power	Ps	Vr=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)

