

1654nm 1000um PD TO-can datasheet

P/N : WIT3-1000B

FEATURES :

High responsivity
Low dark current
900-1740nm Spectral range

APPLICATIONS :

Near-infrared sensing
Monitoring
Meter/Instruments



Electrical-Optical Characteristics(T=25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Responsivity	R	$\lambda=1654\text{nm}, -5\text{V}$	0.9	1		A/W
Dark current	I_d	$V_R=-5\text{V}$			5.0	nA
Capacitance	C	$V_R=-5\text{V}, f=1\text{MHz}$		55	65	pF
Active Area	φ	-	995	1000	1005	um
Wavelength range	λ	-	900	1650	1740	nm

ABSOLUTE MAXIMUM RATING

Parameter	Symbol	Min	Max.	Unit
Operating Temperature	T_{op}	-40	85	°C
Storage Temperature	T_{stg}	-40	125	°C
Forward current	I_F	-	10	mA
Reverse voltage	V_R	0	20	V

Package type :TO46

Pin Connection Type & Outline Drawings

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

