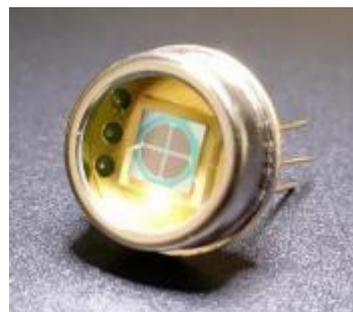


5.3mm Si Quadrant PD TO-can datasheet

P/N : WST4-050A

FEATURES :

High responsivity
Good quadrant consistency
Low dark current
Small blind area



APPLICATIONS :

Laser aiming, guidance, tracking and exploration device
Laser micro positioning, displacement monitoring and other precision measurement systems

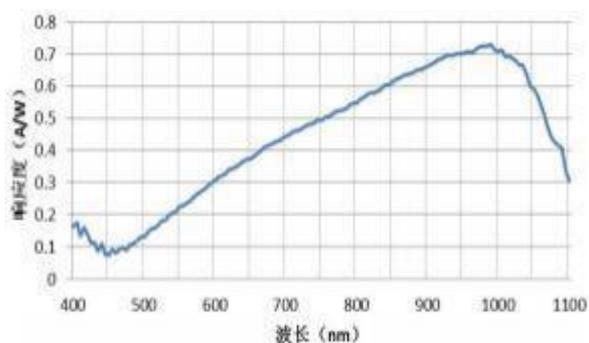
Electrical-Optical Characteristics(T = 25°C)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Sensitive Wavelength Range	λ		400		1100	nm
Peak Response Wavelength	λ_c			980		nm
Responsivity	R	$\lambda=1064\text{nm}$	0.42	0.5	0.65	A/W
Dark current	I_d	VR= -150V			10	nA
Capacitance	C	VR= -150V, f=1MHZ			5	pF
Breakdown Voltage	Vbr		250			V
Rise Time	Tr	$\lambda =1064\text{nm}, \text{VR}=140\text{V}, \text{RL}=50\Omega$			10	ns

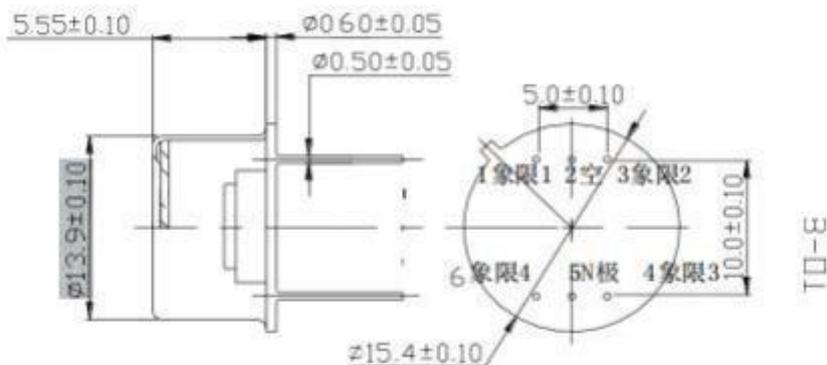
Structure and Absolute Maximum Rating :

Package Form: TO-8		Active Area: $\Phi 5.3$ mm		
Parameter	Symbol	Min	Max.	Unit
Operating Temperature	Top	-45	85	$^{\circ}\text{C}$
Storage Temperature	Tstg	-55	100	$^{\circ}\text{C}$
Welding Temperatur			260	$^{\circ}\text{C}$
Saturated Optical Power			0.3	W/cm
Maximum Operating Voltage			150	V

Typical Characteristic Curve



Pin Connection Type & Outline Drawings :



引脚	1	2	3	4	5	6
定义	象限 1	空	象限 2	象限 3	共 N 极	象限 4