



InGaAs PIN Photodiode

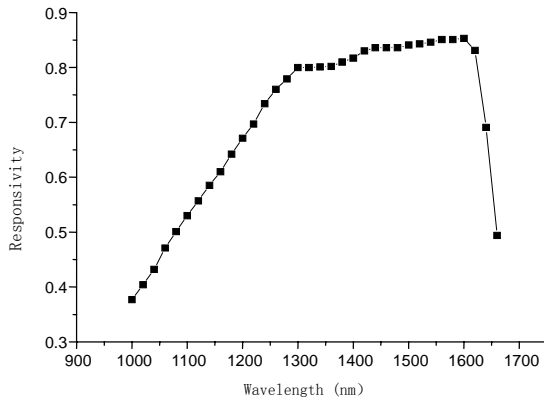
Type: PDS463-a

ELECTRO-OPTICAL CHARACTERISTICS(T=25°C):

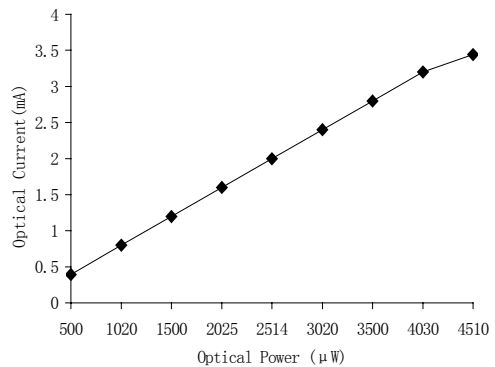
Parameters	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Wavelength	λ		1000		1650	nm
Dark Current	I_D	$E_c=0, -100mV$		2	5	nA
Responsivity	R_e	1310nm	0.85	0.90		A/W
		1550nm	0.90	0.95		
Active diameter	ϕ			1500		μm
Operating Voltage	V_{opr}			-1	-3	V

Absolute maximum ratings:

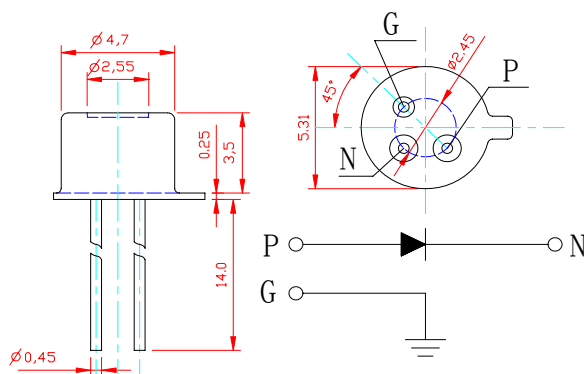
Parameters	Symbol	Value	Unit
Reverse Voltage	V_R	10	V
Forward Current	I_P	10	mA
Operating Temperature Range	T_{opr}	-40—+85	°C
Storage Temperature Range	T_{stg}	-40—+85	°C
Lead Solder Temperature		260	°C



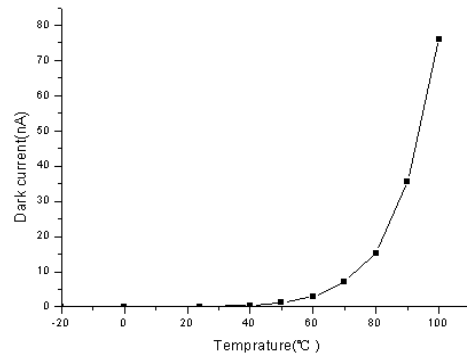
Spectrum Curve



Current-Optical Power Curve



Package Dimensions(mm)



Dark Current-Temperature Curve

Precautions: ESD protection is imperative.

Address: 10th Floor, Tower C2, Dong ChangAn Street Dongcheng Diatric, Beijing

P. C. : 100738 Tel: 010-85180588 Fax: 010-85185617 <http://www.swt-oc.com>