

15800-2600nm High-Speed InGaAs PIN Photodiode with 1.5mm TO39 Sealed Dome Lens



● Product Description

The MTPD260K8-150, with a sensitivity wavelength range of 800nm to 2600nm, is a high-sensitivity and highly reliable product series, making it ideal for optical communication equipment. Customers can customize different packaging types.

● Part Number

MTPD2601K8-150

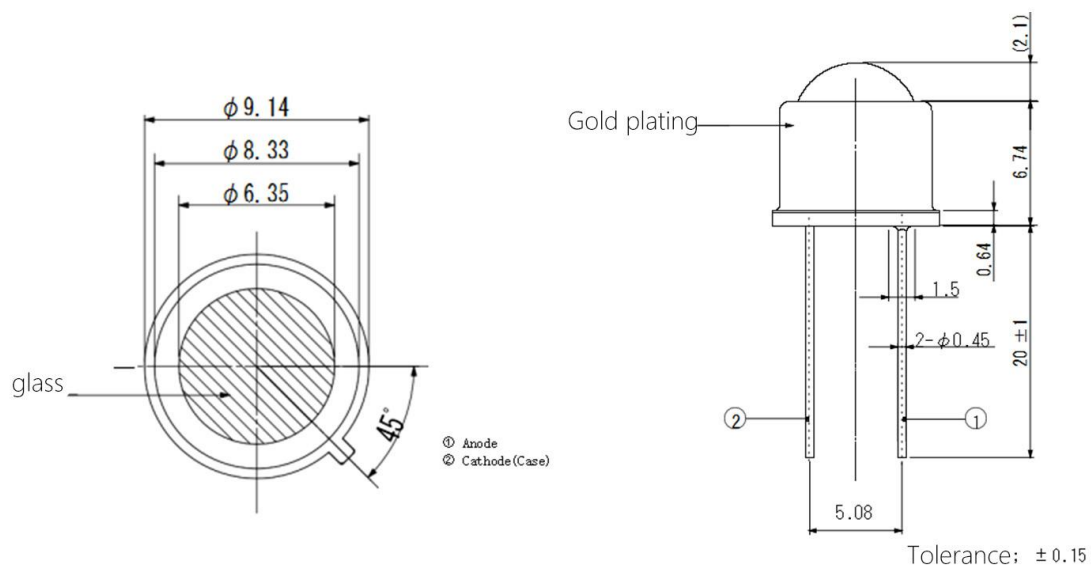
● Product features

Fast response speed 、 TO-39 sealed dome lens packaging 、 1.5mm Φ
 effective area / high sensitivity、 Spectral range: 800nm - 2600nm

● Application area

High-speed optical communication、 Industrial control、 Gas/water analysis 、
 Laser ranging、 Medical

● Dimensional Drawing



General Parameters

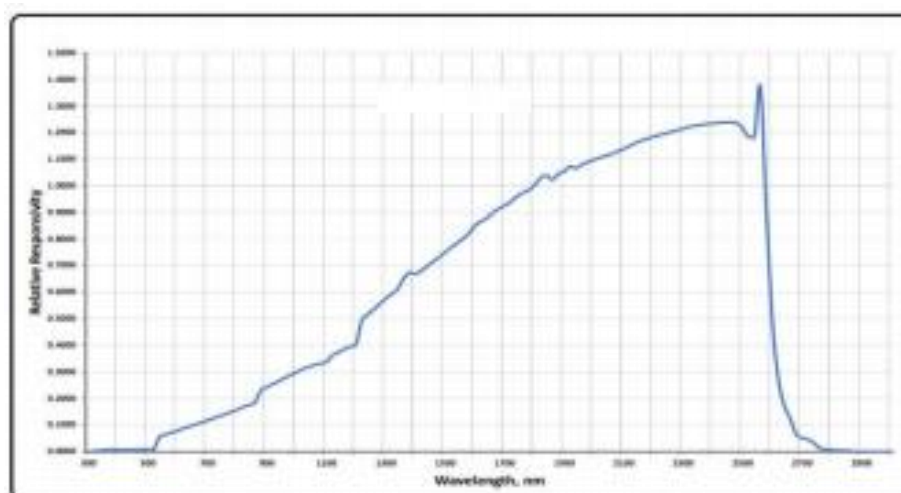
Absolute Maximum Rated Parameters ($T_a=25^{\circ}\text{C}$) :

Parameter	Symbol	Main Value	Unit
Effective Photosensitive Area Diameter	Φ	1.5	mm
Operating Temperature Range	Topr	40 to +85	$^{\circ}\text{C}$
Storage Temperature Range	Tstg	40 to +125	$^{\circ}\text{C}$

Photonic Parameters ($T_a = 25^{\circ}\text{C}$) :

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Breakdown Voltage	VR	IR=100uA	--	--	1	V
Sensitivity Range	λ	VR=0V	800	--	2600	nm
Dark Current	ID	VR=0V	--	150	--	nA
Dark Current	ID	VR=1V	--	350	--	uA
Responsivity	R	$\lambda=2400\text{nm}$	--	1.24	--	A/W
Shunt Resistance	RS	VR=10mV	--	1.25	--	kOhm
Quantum Efficiency	QE	$\lambda=1840\text{nm}$	--	72	--	%
Capacitance	C	VR =0V	--	1500	--	pF
Capacitance	C	VR =1V	--	100	--	pF

Spectral Response Curve:



Quantum Efficiency Curve:

