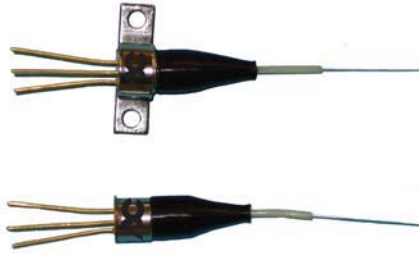




High Speed 800nm~900nm PIN Photodiode

AC Photonics' PTD Series High speed PIN Photodiode are sensitive at 800nm to 900nm bands. The planar design and dielectric passivation bring superior noise and photoelectronic performance. Our state-of-the-art planar fabrication techniques lead to high quality and reliability.



Features

- Wide Analog Bandwidth
- Spectral Response(800~900nm)
- High Quality and Reliability
- Fast Response

Performance Specifications

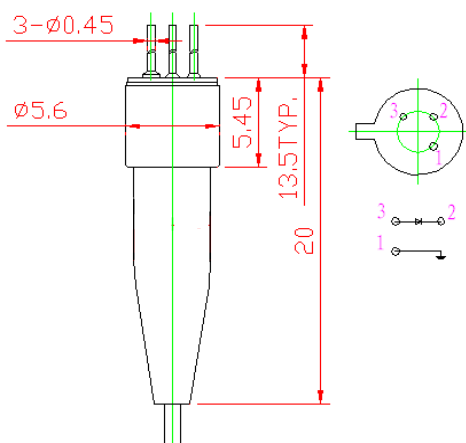
Parameter	Symbol	Test conditions	Min.	Typ.	Max.
Operating Wavelength (nm)	λ		800~900		
Peak Response Wavelength (nm)	λ			860	
Dark Current(nA)	I_D	$V_R=5V,$		0.1	5.0
Responsivity(A/W)	R	$V_R=5V, \lambda=860nm$	0.45	0.55	
Reverse Voltage(VDC)	V_B	$T=25^\circ C$			100
Capacitance(pF)	C	$V_R=5V$		1.5	2.0
Continuous Power Dissipation(mW)	P				200
Output Rise Time(ns)	t_{50V}	$V_R=50V, 10\%-90\%$		0.6	
Output Rise Time(ns)	t_{5V}	$V_R=5V$		2.0	
Operating Temperature($^\circ C$)	T_{OP}		- 20		65
Storage Temperature($^\circ C$)	T_{ST}		- 40		85

Specifications may change without notice.

Ordering Information

PTD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fiber Type	Package Size	Package Style	Pigtail Style	Fiber Length	Connector
	1=Hi 780 2=50/125 3=62.5/125 C=Customer	A=TO-46	1=With Mount Flange 2=Without Mount Flange C=Customer Specified	1=Bare Fiber 2=900um Jacket 0=Free Space	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimension:



Typical Performance Curves

