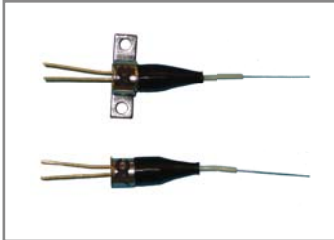


High Speed 800-900nm PIN Photodiode



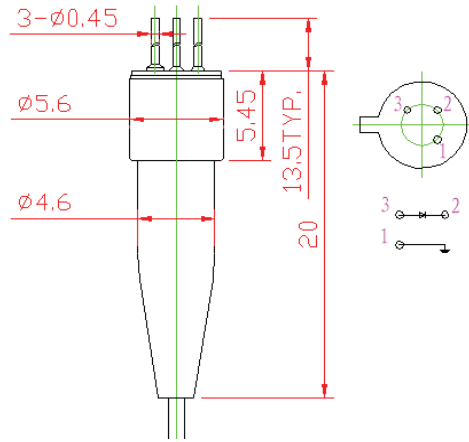
Key Features

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

Performance Specifications

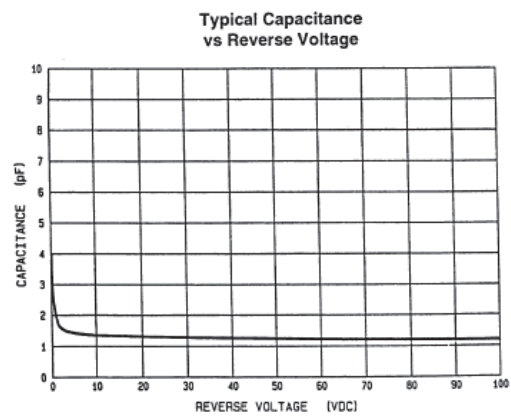
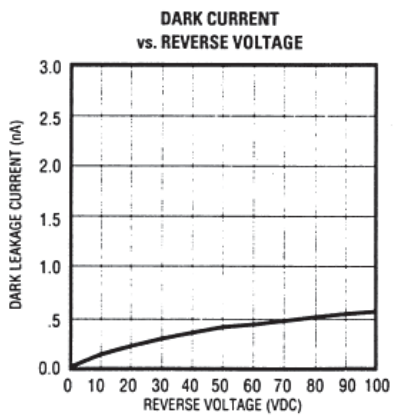
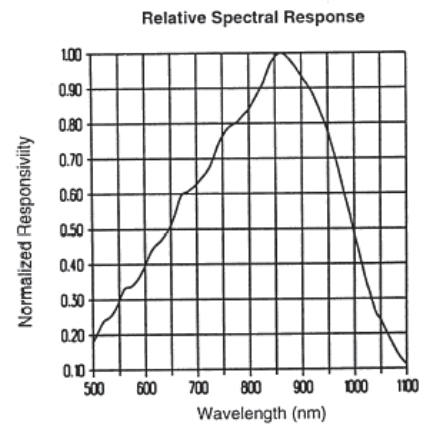
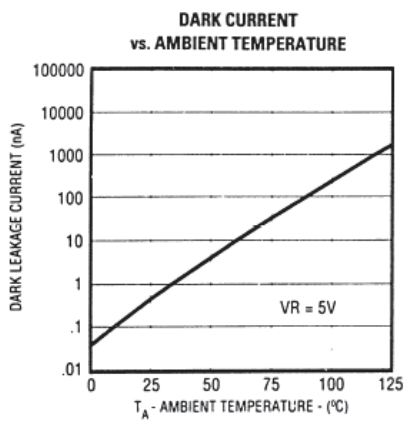
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.
Operation Wavelength	λ		800nm - 900nm		
Peak Response Wavelength	λ			860nm	
Dark Current	ID	VR=5V		0.1nA	5.0nA
Responsivity	Re	VR=5V, $\lambda=860\text{nm}$	0.45A/W	0.55A/W	
Reverse Voltage	VB	T=25°C			100Vdc
Capacitance	c	VR=5V		1.5pF	2.0pF
Continuous Power Dissipation	P				200mW
Output Rise Time	t50V	VR=50V,10%-90%		0.6ns	
Output Rise Time	t5V	VR=5V		2.0ns	
Operating Temperature	Top		-20°C		+65°C
length=6mm, case	TST		-40°C		+85°C

Mechanical Dimensions



Typical Performance Curves

Typical Performance Curves



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	In/Out 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 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC