

Mini InGaAs PIN Photodiode



All AC Photonics' products are Telcordia qualification tested.

Key Features

- Planar Semiconductor Design and Dielectric Passivation
- 2-pin Coaxial Mini Packaging, SM Pigtail.
- Superior Noise and Photoelectric Performance .
- Hermetical Packaging and 100% Purge Burn-in .

Applications

- Optical Fiber Communication System.

Performance Specifications

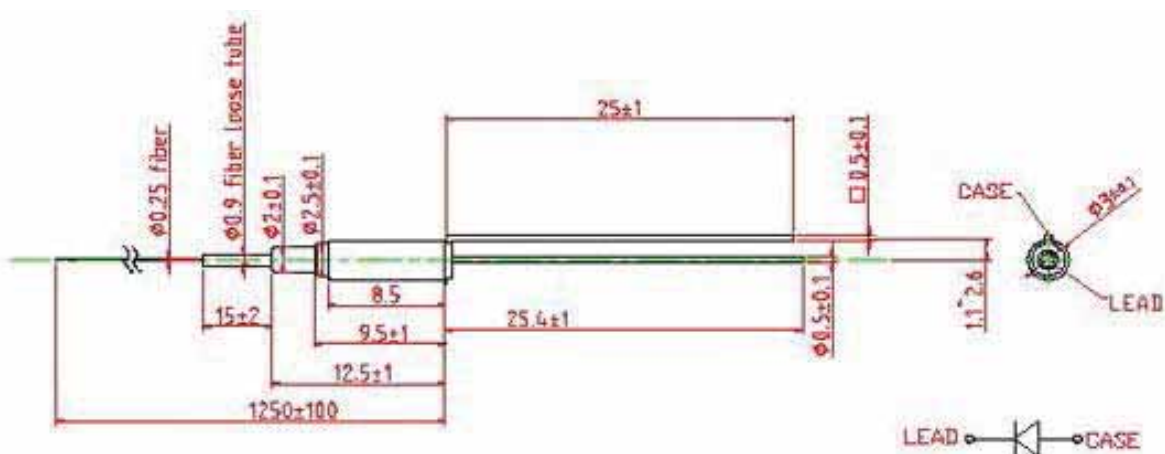
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.
Operation Wavelength	λ		1000nm -1650nm		
Dark Current	ID	VR=5V, Ee=0		0.2nA	1nA
Responsivity	Re	VR=5V, λ =1310nm	0.85A/W	0.90A/W	
Responsivity	Re	VR=5V, λ =1550nm	0.90A/W	0.95A/W	
Capacitance	c	f=1MHz, case grounded VR=5V, Ee=0,		5pF	6pF
Operating Voltage	Vopr			-5V	-15V
Rise & Fall Time	Tr, Tf	-5V			3ns

Parameter	Min.	Max.
Reverse Voltage		25V
Forward Current		10mA
Operating Temperature	-40°C	+85°C
Storage Temperature	-40°C	+85°C
Lead Solder Temperature		260°C
Lead Solder Duration		10s

Precautions:

- ESD protection is imperative. Use of grounding straps, anti-static mats, and other ESD protective equipment is recommended when handling or testing a PIN photodiodes.
- Fiber pigtailed should be handled with less than 10N pull and with a bending radius greater than 30 mm.
- Please shorten the length of the devices leads as much as possible.

Mechanical Dimensions



mini-con pigtail package dimensions

Ordering Information

PTD	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Active Area	Package Size	Package Style	Pigtail Style	Fiber Length	In/Out Connector
	0300 = 300um	S = Special	2 = Without Mount Flange	1 = Bare Fiber 2 = 900um Jacket	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