



Mini InGaAs PIN Photodiode



Features

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

Applications

- Optical Fiber Communication System.

Performance Specifications

Electro-Optical Characteristics (T=25°C)

Parameter	Symbol	Test conditions	Min.	Typ.	Max.
Operating Wavelength (nm)	λ		1000 ~ 1650		
Dark Current(nA)	I_D	$V_R=5V, E_e=0$		0.2	1
Responsivity(A/W)	R_e	$V_R=5V, \lambda=1310nm$	0.85	0.90	
Responsivity(A/W)	R_e	$V_R=5V, \lambda=1550nm$	0.90	0.95	
Capacitance(pF)	C	$V_R=5V, E_e=0, f=1MHz$		5	6
Operating Voltage(V)	V_{opr}			-5	-15
Rise & Fall Time (ns)	T_r, T_f	-5V			3

Absolute Maximum Ratings (T=25°C)

Parameters	MIN	MAX
Reverse Voltage (V)		25
Forward Current (mA)		10
Operating Temperature (°C)	-40	+85
Storage Temperature (°C)	-40	+85
Lead Solder Temperature (°C)		260
Lead Soldering Duration (s)		10

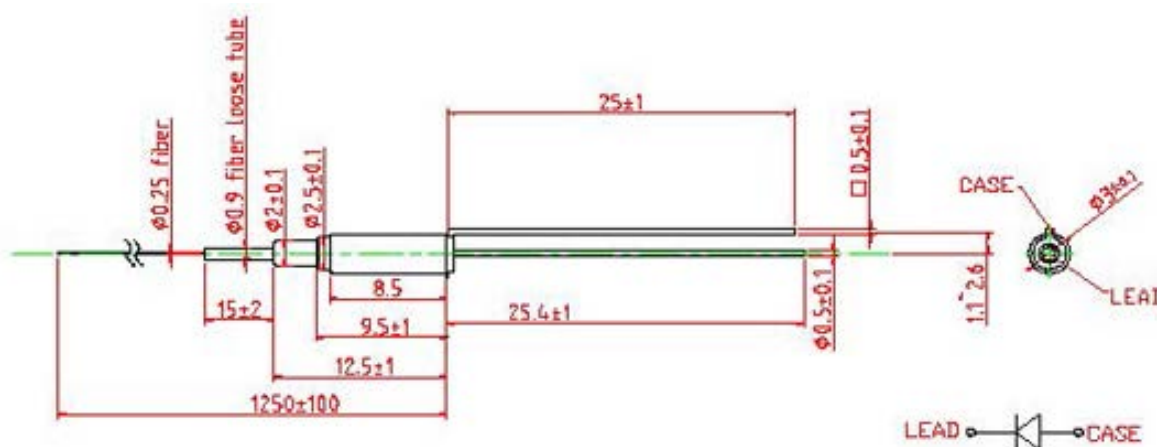
Precautions:

- ESD protection is imperative. Use of grounding straps, anti-static mats, and other ESD protective equipment is recommended when handling or testing an InGaAs PIN photodiodes.
- Fiber pigtails 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.

Ordering Information

PTD	□ □ □ □	□	□	□	□	□
	Active Area	Package Size	Package Style	Pigtail Style	Fiber Length	Connector
	0300=300um	S=Specified	2=Without Mount Flange	1=Bare Fiber (SMF-28) 2=900um Jacket	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

Dimensions (mm)



mini-con pigtail package dimensions