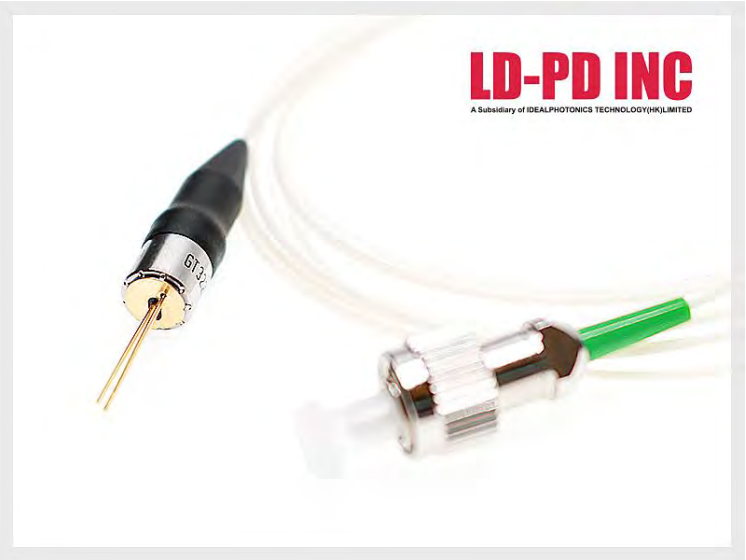
1550nm InGaAs Multimode fiber Pigtailed Photodiodes



Description

The PL-1500-IG-AR0075-FMA is a 75um InGaAs PD housed in a hermetic 3 pin coaxial package. The InGaAS PD is coupled to a (50/125um or 62.5/125um)Multimode mode fiber pigtail. The low noise, overload tolerant PD makes the devices ideal for OTDRs, DTS application. Devices can be pigtailed with any size optical fiber that is compatible with its active area size. Pigtails range in core size from 3um to 100 micron. One meter is the standard length, but any length or connector termination may be specified. Pigtails may be terminated with ST, FC, SC and LC connectors with either PC or APC polish.

Features

- Supports Bandwidths up to 3GHz
- I-temp operating temperature
- Low current
- 50/125um pigtail package

Application

- Fiber-optic Data com

E/O Characteristics

(Unless otherwise specified TC= 25 °C)

Parameter	Symbol	Min	Typical	Max	Unit	Conditions
Optical Wavelength	λ	1260	-	1650	nm	
Responsivity	RES	0.75	0.80		A/W	λ=1500nm, 50/125um fiber
Bandwidth (3dB)	BW	3	-	-	GHz	
Dark Current	Id	-	-	10	nA	

Absolute Maximum Ratings

Stresses in excess of the absolute maximum ratings can cause permanent damage to the device.Exposure to absolute maximum ratings for extended periods can adversely affect device reliability.

Parameter	Symbol	Min	Max	Unit
Storage Temperature	Tstg	-40	100	℃
OperatingTemperature	Top	-40	85	℃
PIN reverse Voltage	VR	-	15	V
Lead Solder Temperature/Duration	--	260/10		℃/S

Recommend Operation Conditions

Parameter	Rating
Operating Case Temperature	-40°C ~ + 85°C
Operation Wavelength Range	1260~1650nm

Precaution

1. Radiation emitted by laser device can be dangerous to the eyes. Avoid eye or skin exposure to direct or scattered radiation.
2. The modules should be handled in the same manner as ordinary semiconductor devices to prevent the electro-static damages, For safe keeping and carrying, the modules should be packaged with ESD proof material. TO assemble the modules on PCB, the workbench, the soldering iron and human body should be grounded.
3. Please pay special attention to atmosphere condition because the dew on the module may

cause some electrical damages.

4. Under such a strong vibration environment as in automobile, the performance and reliability are not guaranteed.

Dimensions and Pin definitions

