

# InGaAs Photodiode - PD-InGaAs-FC/R

- High Responsivity
- 800nm-1800nm Spectral Range
- FC/ST/SC Connectorized / Receptacle

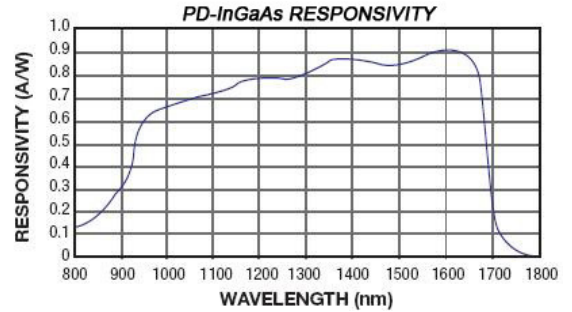
PHOTONIK<sup>hv</sup>

## Direct Connectorized



### Key Features:

- High Response within 1.0~1.65 μm
- Low Dark Current
- Fast pulse response
- Broad Dynamic Range
- High Reliability, High Uniformity
- -40 ~ 85°C operating temperature
- Hermetically sealed 3-pin metal case

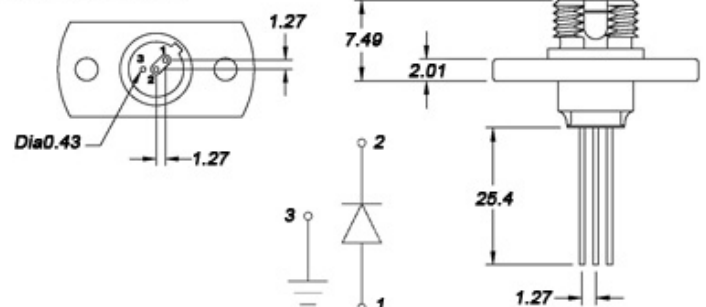


General Specifications (T=25 °C)	
Parameters	Value
Material	InGaAs
Wavelength Range (nm)	800 ~ 1800
Active Area (um)	≤ Ø120
Responsivity (A/W)	0.85/0.90 @ 1310nm 0.90 @ 1550nm
Bandwidth (FWHM)	DC - 5.0GHz
Rise Time (ps)	< 70
Optical Return Loss (dB)	> 40dB
Capacitance (pf, 5V)	1.0
Dark Current (nA, 5V)	0.5
Operation Voltage (V)	+5 ~ +15
Bending Radius (mm)	≥ 30
Connector Type	FC/ST/SC Optional

### Applications:

- Optical Data Communication Receivers
- O-E Convertors
- LANS / FDDI Networks / FITL
- Instrumentation
- Single and Multimode Fiber Communications Systems

All dimension in mm



Square flange type available upon request

Absolute Maximum Ratings (T=25 °C)	
Storage Temperature (°C)	-40 ~ 100
Operating Temperature (°C)	- 40 ~ 85
Lead Soldering Temperature (°C)	250
Lead Soldering Duration (s)	5.5

Pin No.	Pin Definition
1	PD Anode
2	PD Cathode
3	GND

### Ordering Information:

P/N: PD-InGaAs-FC/R

### Safety Information:

1. Protection of the product should abide by precautions of electrostatic sensitive organ.
2. When sealing pins soldering irons should be grounded to avoid breakdown.
3. Pins should avoid bend or twist which will bring break or damage.

### Contact Information:

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