

Mini-Size GaAs PIN PD MODULE

PD-8350

GaAs PIN PHOTODIODE WITH SINGLE-MODE FIBER PIGTAIL

FEATURES

- 2 High responsivity for dual windows at 850 nm
- 2 Low dark current
- 2 Quick pulse response
- 2 Low return loss
- 2 Coaxial Module with 9/125 μm Single-Mode Fiber
- 2 Mini-size Package

APPLICATION

ATM, LAN

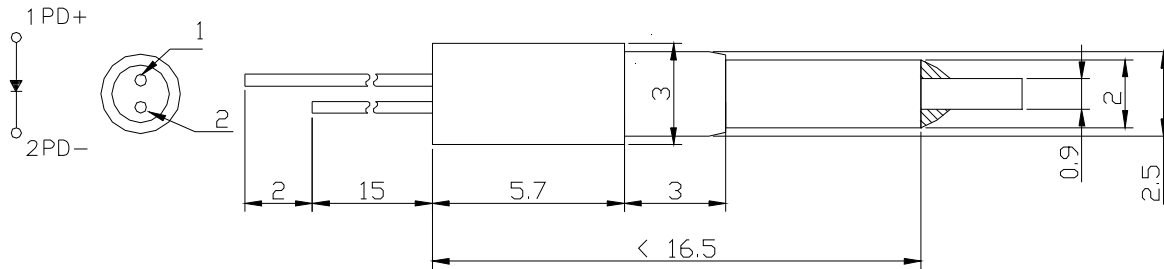
DESCRIPTION

PD-8350 series are designed for coupling a single-mode fiber with high reliable GaAs PIN photodiodes. PD-8350 series are specially designed as detector for Datacom and Telecom application.

| ELECTRICAL AND OPTICAL CHARACTERISTICS (Tc=25°C) | | | | | | |
|--|-----------------|-------------------------------|------|------|------|------|
| Symbol | Parameter | Test Conditions | Min. | Typ. | Max. | Unit |
| | Detection Range | λ | | 850 | | nm |
| R | Responsivity | VR=5V, $\lambda=850\text{nm}$ | 0.45 | 0.50 | - | A/W |
| Idark | Dark Current | VR=5V | | 0.3 | 0.7 | nA |
| C | Capacitance | VR=5V | | | 1.0 | pF |
| Tr/Tf | Rise/Fall Time | VR=5V, 10~90% | | | 0.5 | ns |
| BW | Bandwidth | VR=5V | 2 | | | GHz |

| Absolute Maximum Ratings (Tc=25 °C) | | | |
|-------------------------------------|-----------------------|---------|------|
| Symbol | Parameter | Ratings | Unit |
| Po | Input Optical Power | 10 | mW |
| VRD | PD Reverse Voltage | 20 | V |
| IFD | PD Forward Current | 10 | mA |
| Topr | Operating Temperature | -40~+85 | °C |
| Tstg | Storage Temperature | -40~+85 | °C |

MECHANICAL DIMENSION (mm) and PIN ASSIGNMENT



- Note:** 1. Specifications subject to change without notice.
 2. Other PIN assignment is available upon request.

ORDER INFORMATION

Part No.: P D - 8 3 5 0 -

| Code | Fibre Buffer |
|------|--------------|
| 0 | 900 μ m |
| 1 | 250 μ m |

| Code | Connector Type |
|------|----------------|
| X | No Connector |
| L | LC/PC |
| S | SC/PC |
| F | FC/PC |
| T | ST/APC |