

Mini-Size InGaAs PIN PD MODULE

PD-1350

InGaAs PIN PHOTODIODE WITH SINGLE-MODE FIBER PIGTAIL

FEATURES

- 2 High responsivity for dual windows at 1310 nm and 1550 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

SDH, ATM, LAN

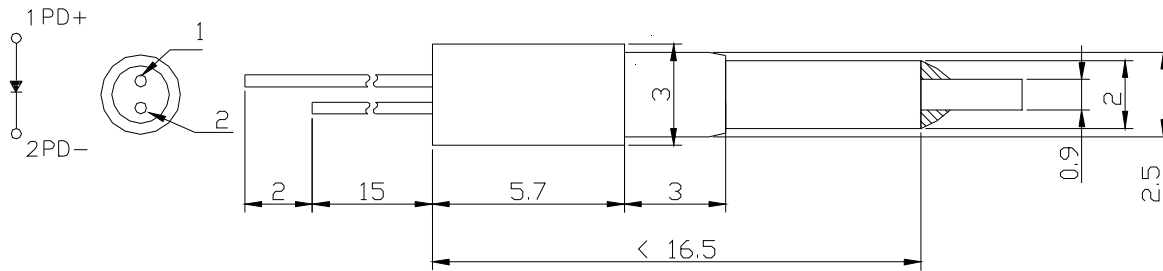
DESCRIPTION

PD-1350 series are designed for coupling a single-mode fiber with high reliable InGaAs PIN photodiodes. PD-1350 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	1100	-	1650	nm
R	Responsivity	VR=5V, λ =1300nm	0.80		-	A/W
		VR=5V, λ =1550nm	0.85		-	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
ORL	Optical Return Loss	VR=5V, λ =1550nm	40			dB
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 - 1 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/PC
LA	LC/APC
SA	SC/APC
FA	FC/APC
TA	ST/APC

Revision History

Version	Subject	Release Date
1.0	Initial datasheet	3/16/2004
2.0	Modify the mechanical dimension	12/15/2004
3.0	Add connector type and modify the responsivity for 1310 nm light source	8/15/2011