InGaAs PIN PD MODULES PD-1320

InGaAs PIN PHOTODIODE WITH 62.5/125 μm MULTI-MODE PIGTAIL

FEATURES

- ✧ High responsivity for dual windows at 1310 nm and 1550 nm
- ✧ Low dark current
- ✧ Quick pulse response
- ✧ Coaxial Module with 62.5/125 μm Multi-Mode Fiber (PD-1320)

APPLICATION

SDH, ATM, LAN

DESCRIPTION

PD-1320 series are designed for coupling a 62.5/125 μm multi-mode fiber with high reliable InGaAs PIN photodiodes. PD-1320 series are specially designed as detector for Datacom and Telecom application.

ELECTRICAL AND OPTICAL CHARACTERISTICS (Tc=25ºC)

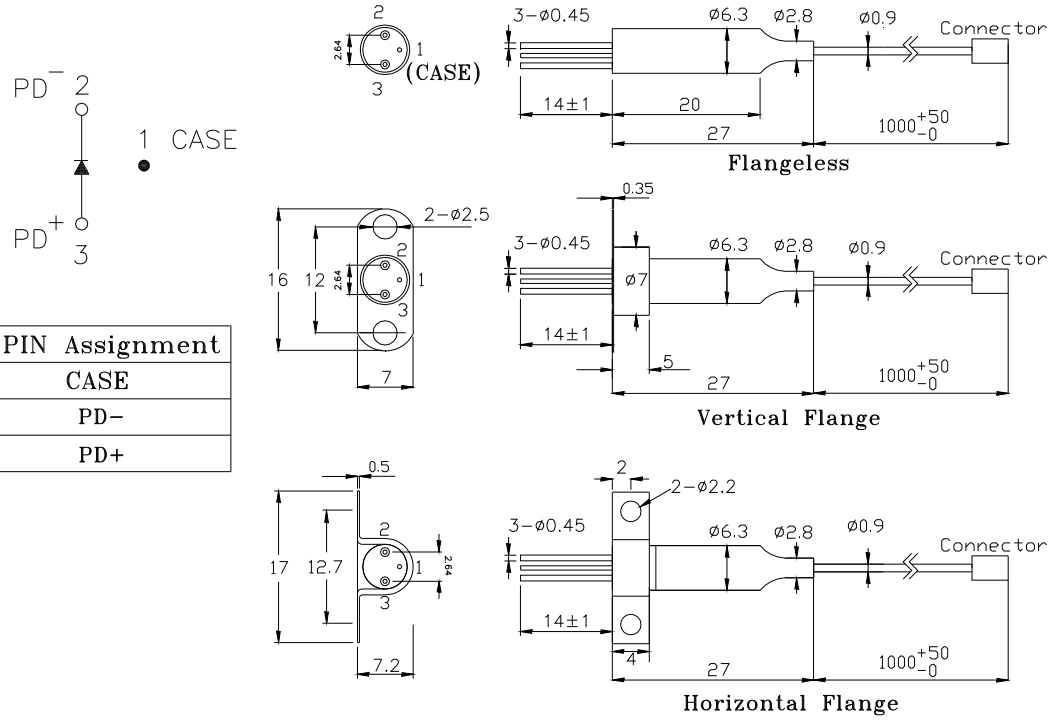
Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
	Detection Range	λ	1100	-	1650	nm
R	Responsivity	VR=5V, λ=1300nm	0.8	0.85	-	A/W
Idark	Dark Current	VR=5V		0.3	0.7	nA
C	Capacitance	VR=5V		0.7	1.0	pF
Tr/Tf	Rise/Fall Time	VR=5V, 10~90%			0.3	ns
BW	Bandwidth	VR=5V	2			GHz

Absolute Maximum Ratings (Tc=25 ºC)

Symbol	Parameter	Ratings	Unit
Po	Input Optical Power	10	mW
V_{RD}	PD Reverse Voltage	20	V
I_{FD}	PD Forward Current	10	mA
T_{opr}	Operating Temperature	-40~+85	ºC
T_{stg}	Storage Temperature	-40~+85	ºC

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MECHANICAL DIMENSION (mm) and PIN ASSIGNMENT



PIN	PIN Assignment
1	CASE
2	PD−
3	PD+

Note: 1. Specifications subject to change without notice.

2. Other PIN assignment is available upon request.

ORDER INFORMATION

Part No.: P D – 1 3 □ 0 – □ □□

Code	Fiber
0	50/125 μm
1	9/125 μm
2	62.5/125 μm

Code	Flange
V	Vertical
H	Horizontal
X	No Flange

Code	Connector Type
S	SC/PC
F	FC/PC
T	ST/PC
X	No Connector
SA	SC/APC
FA	FC/APC

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Revision History

Version	Subject	Release Date
1.0	Initial datasheet	2002/1/3