

## GaAs PIN PD MODULES

## PD-8300 SERIES

GaAs PIN PHOTODIODE WITH 62.5/125  $\mu\text{m}$  MULTI-MODE FIBER PIGTAIL

### FEATURES

- 2 High responsivity at 850 nm
- 2 Low dark current
- 2 Quick pulse response
- 2 Coaxial Module with 62.5/125  $\mu\text{m}$  Multi-Mode Fiber

### APPLICATION

SDH, ATM, LAN

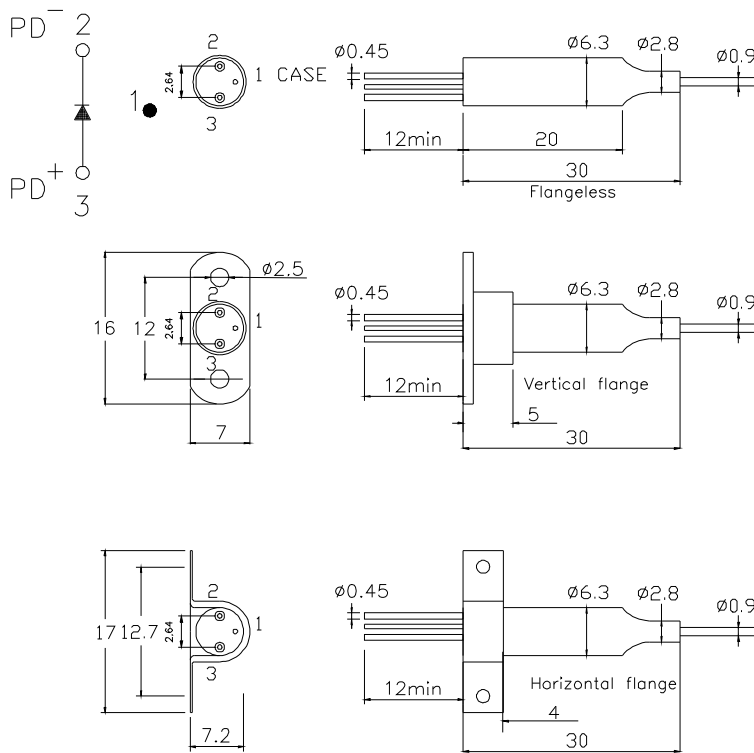
### DESCRIPTION

PD-8300 series are designed for coupling a multi-mode or single-mode fiber with high reliable GaAs PIN photodiodes. PD-8300 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	$\lambda$		850		nm
R	Responsivity	VR=5V, $\lambda=850\text{nm}$	0.45	0.5	-	A/W
Idark	Dark Current	VR=5V		0.1	0.5	nA
C	Capacitance	VR=5V		0.4	0.7	pF
Tr/Tf	Rise/Fall Time	VR=5V, 10~90%			0.15	ns
BW	Bandwidth	VR=5V	2			GHz

Absolute Maximum Ratings (Tc=25 °C)			
Symbol	Parameter	Ratings	Unit
Po	Input Optical Power	2	mW
VRD	PD Reverse Voltage	20	V
IFD	PD Forward Current	2	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  0 -

Code	Fiber
0	50/125 $\mu\text{m}$
1	9/125 $\mu\text{m}$
2	62.5/125 $\mu\text{m}$

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