



## PD300-TO25-FW-2pin Series

### Features:

- Large active area convenient for optical coupling
- Low Dark Current
- Respond to C-Band and 1310nm; L-Band
- High reliability

### Applications:

- Near infrared sensors
- Laser diode and LED power monitor
- Near infrared spectroscopy
- Optical measurements and sensing

### Specifications:

#### Absolute Maximum Ratings:

Parameter	Symbol	Min.	Max.	Unit
Reverse Voltage	$V_R$	—	20	V
Forward Current	$I_F$	—	50	mA
Max. Optical Input Power	$P_{MAX}$	—	30	mW
Operating Temperature	$T_{op}$	-40	+85	°C
Storage Temperature	$T_{stg}$	-40	+85	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

#### Characteristics: ( $T_a=25^\circ\text{C}$ unless otherwise noted)

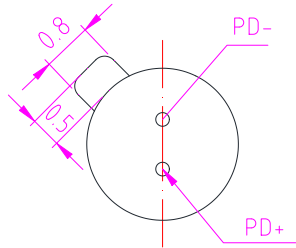
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit	
Active Diameter	D	—	—	300	—	$\mu\text{m}$	
Bandwidth	BW	$P_i=-10\text{dBm}$ , Small signal modulation, $V_R=5\text{V}$	400	600	—	MHz	
Responsivity	@1310nm	R	$V_R=5\text{V}$	0.8	0.9	—	A/W
	@1550nm	R	$V_R=5\text{V}$	0.9	0.95	—	A/W
Dark Current	$I_D$	$V_R=5\text{V}$	—	0.1	0.6	nA	
Chip Capacitance	$C_{chip}$	$V_R=5\text{V}$ , $f=1\text{MHz}$	—	4.0	6.0	pF	
Optical Spectrum Response Range	$\lambda$	—	1100	—	1620	nm	



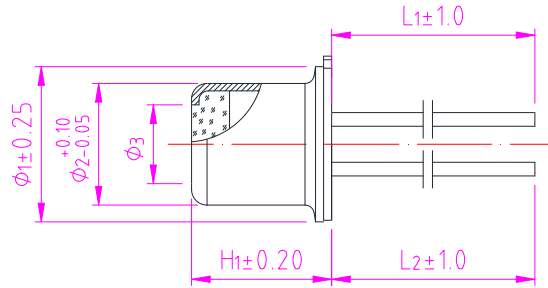
Operating Voltage	V	—	—	-5.0	—	V
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### Mechanical Dimension and Pin Assignment:

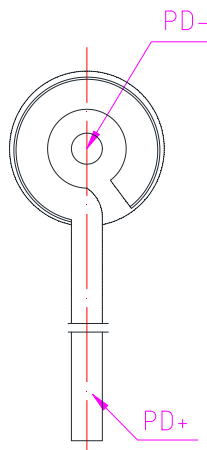
#### Type A



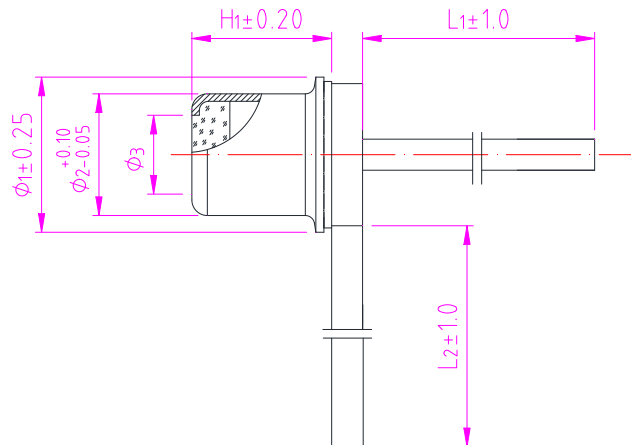
Bottom View



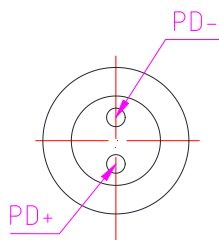
#### Type B



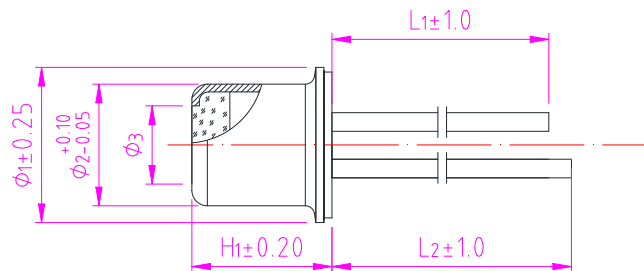
Bottom View



#### Type C



Bottom View



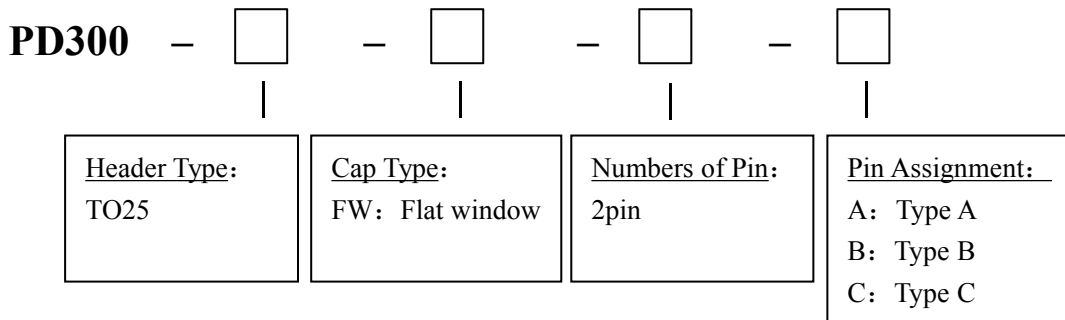


### Standard Product List:

Product name	$\Phi_1$ (mm)	$\Phi_2$ (mm)	$\Phi_3$ (mm)	$H_1$ (mm)	$L_1$ (mm)	$L_2$ (mm)	Received light form
PD300-TO25-FW-2pin-A	2.5	1.96	1.27	2.26	12.7	12.7	Parallel light & Divergent light
PD300-TO25-FW-2pin-B	2.5	1.96	1.27	2.26	14.0	14.0	
PD300-TO25-FW-2pin-C	2.5	1.96	1.27	2.26	15.52	17.52	

- Standard and custom designs to suit your systems.

### Order Information:



### Statement:

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