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## PD45-TO25-BL-2pin Series

### Features:

- Low Voltage Operation
- Low Capacitance and High Speed with a PIN Structure
- Low Dark Current
- Excellent Stability

### Applications:

- G E
- G F C
- SONE SDH OC

### Specifications:

Reverse Voltage	$V_R$	—	20	V
Forward Current	$I_F$	—	10	mA
Max. Optical Input Power	$P_{MAX}$	—	3	mW
Operating Temperature	Top	-40	+85	°C
Storage Temperature	Tstg	-40	+85	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

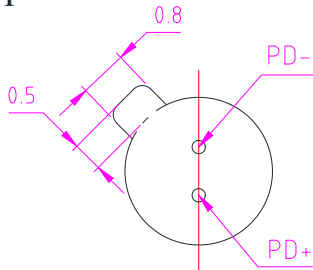
: ( °C )

Active Diameter	D	—	—	45	—	μm	
Bandwidth	BW	$V_R=5V$	8	10	—	GHz	
Responsivity	@1310nm	R	$V_R=5V$	0.75	0.8	—	A/W
	@1550nm	R	$V_R=5V$	0.8	0.85	—	A/W
Dark Current	ID	$V_R=5V$	—	1	5	nA	
Chip Capacitance	$C_{chip}$	$V_R=5V, f=1MHz$	—	0.11	0.13	pF	
Optical Spectrum Response Range	$\lambda$	—	1100	—	1650	nm	
Operating Voltage	V	—	—	-5	—	V	

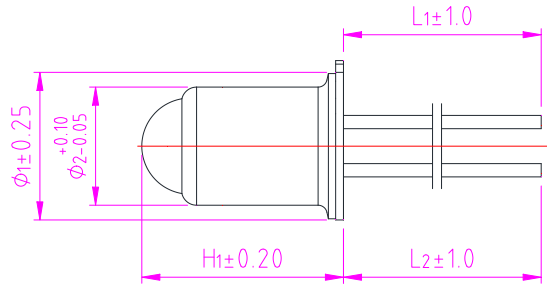


### Mechanical Dimension and Pin Assignment:

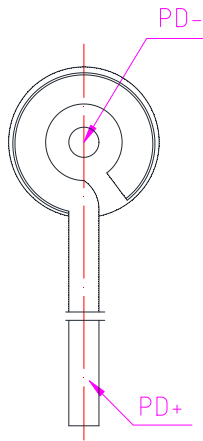
#### Type A



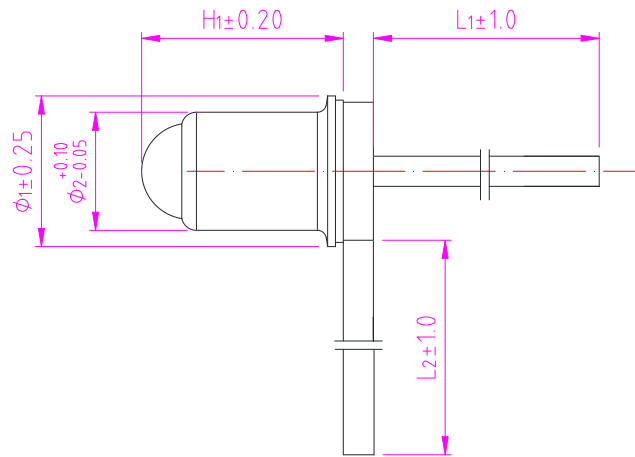
Bottom View



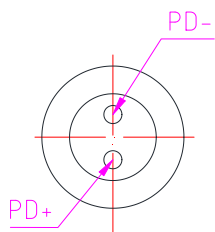
#### Type B



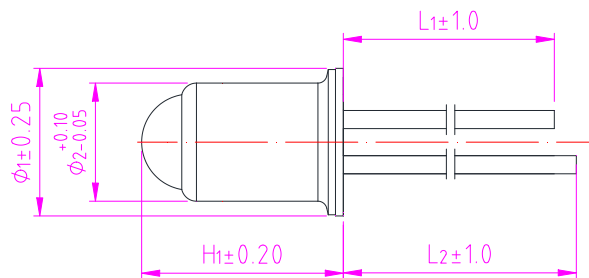
Bottom View

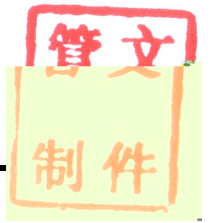


#### Type C



Bottom View



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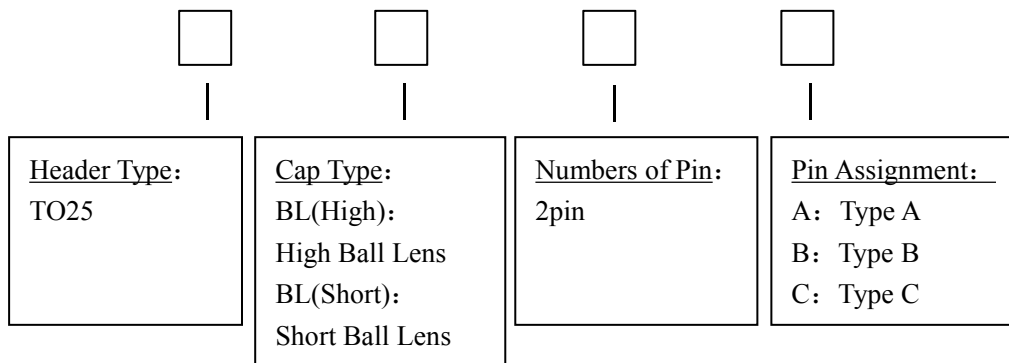
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## Standard Product List:

Product name	$\Phi_1$ (mm)	$\Phi_2$ (mm)	H <sub>1</sub> (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	Received light form
PD45-TO25-BL(High)-2pin-A	2.5	1.96	3.35	12.7	12.7	Divergent light
PD45-TO25-BL(High)-2pin-B	2.5	1.96	3.35	14.0	14.0	
PD45-TO25-BL(High)-2pin-C	2.5	1.96	3.35	15.52	17.52	
PD45-TO25-BL(Short)-2pin-A	2.5	1.96	2.92	12.7	12.7	Parallel light
PD45-TO25-BL(Short)-2pin-B	2.5	1.96	2.92	14.0	14.0	
PD45-TO25-BL(Short)-2pin-C	2.5	1.96	2.92	15.52	17.52	

- Standard and custom designs to suit your systems.

## Order Information:



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