

## PRODUCT SPECIFICATION

**Model No.: FYL-5012PD1C**

Descriptions:
■ Emitting Color: Photo diode.
■ Device Outline: Φ5mm round type.
■ Lens Type: Deep blue.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

**NINGBO FORYARD OPTOELECTRONICS CO.,LTD.**

**Add:** NO.115 Qixin Road Ningbo Zhejiang China

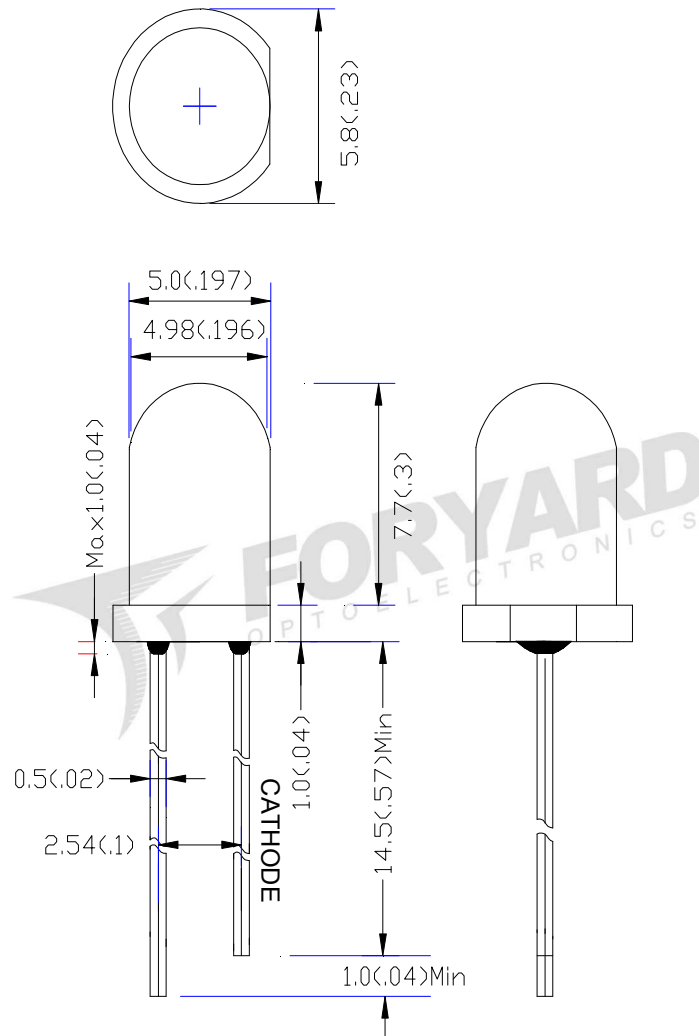
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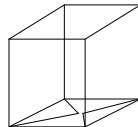
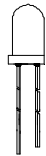
■ Absolute maximum ratings( $T_a=25\text{ }^{\circ}\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Reverse Breakdown Voltage	$V_{BR}$	35	170	–	V	$I_R=100\mu\text{A}, H=0\text{mw}/\text{cm}^2$
Operating Temperature	$T_{opr}$	-30	–	+85	$^{\circ}\text{C}$	—
Storage Temperature	$T_{str}$	-40	–	+100	$^{\circ}\text{C}$	—

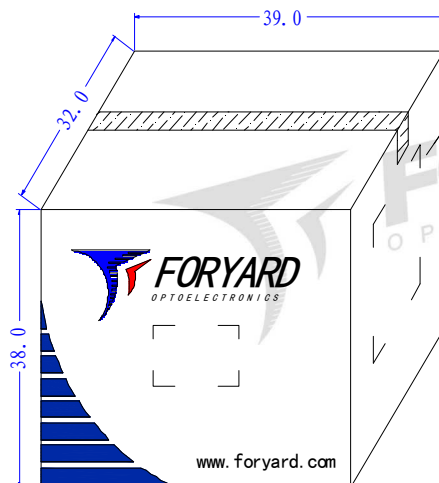
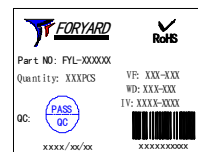
■ Electrical and optical characteristics( $T_a=25\text{ }^{\circ}\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	$V_F$	0.5	1.3	1.7	V	$I_F=20\text{mA}$
Peak Sensing Wavelength	$\lambda_p$		940		nm	$I_F=20\text{mA}$
Light Current	$I_L$	–	1.8	–	$\mu\text{A}$	$H$ $\text{as } 1\text{mw}/\text{cm}^2 @ 940\text{nm}, V_R=5\text{V}$
Reverse Dark Current	$I_D$		2	10	nA	$H=0\text{mw}/\text{cm}^2, V_R=10\text{V}$
Junction Capacitance	$C_J$		1.5		PF	$V_R=3\text{V}, f=1\text{MHZ}, H=0\text{mw}/\text{cm}^2$

## ■ LAMP PACKING.

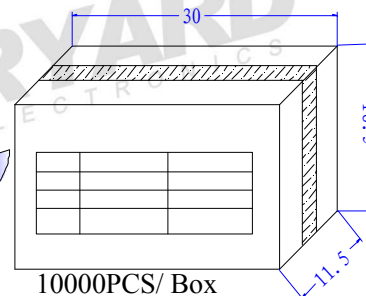


5mm 1000PCS/Polybag



60000PCS/ Carton

OUTSIDE LABEL



10000PCS/ Box



OUTSIDE LABEL