

PRODUCT SPECIFICATION

Model No.: FYL-5012PD1C

Descriptions:

■ Emitting Color: Photo diode.

■ Device Outline: Φ5mm round type.

■ Lens Type: Deep blue.



005



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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Zip:315051

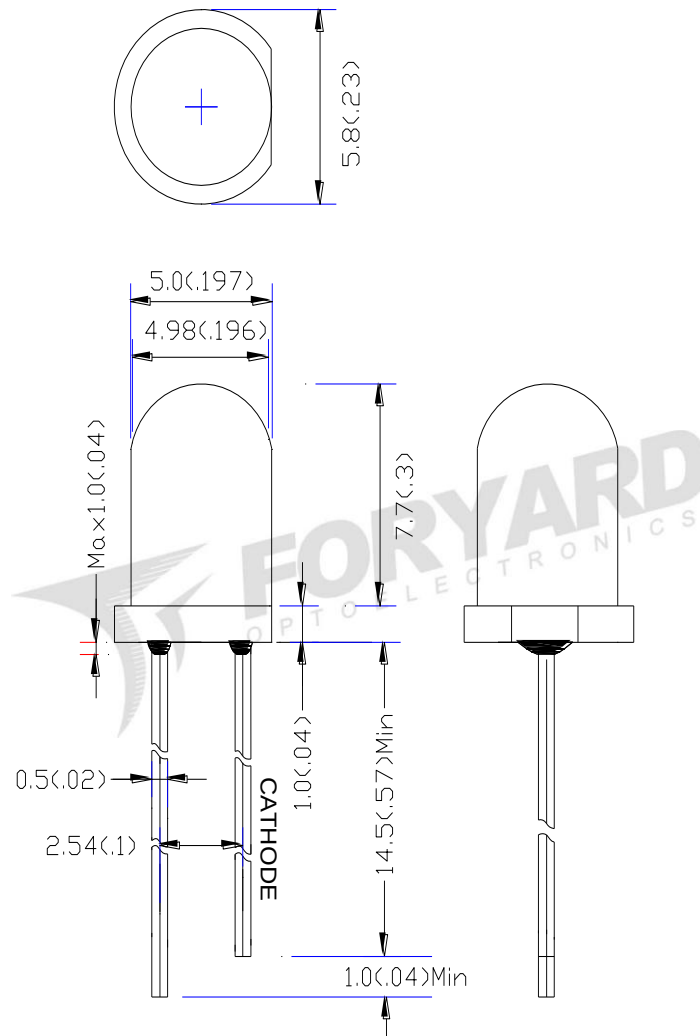
Tel: 0086-574-87933652 87927870 87922206

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E-mail: Sales@foryard.com (General)

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■ Package configuration



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm} (.010")$ unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

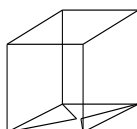
■ Absolute maximum ratings(Ta=25 °c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Reverse Breakdown Voltage	V _{BR}	35	170	–	V	I _R =100μA,H=0mw/cm ²
Operating Temperature	T _{opr}	-30	–	+85	°C	—
Storage Temperature	T _{str}	-40	–	+100	°C	—

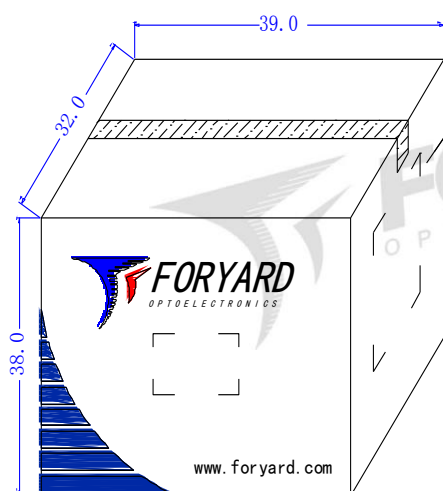
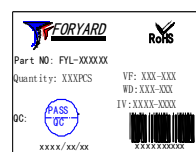
■ Electrical and optical characteristics(Ta=25 °c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	V _F	0.5	1.3	1.7	V	IF=20mA
Peak Sensing Wavelength	λ _p		940		nm	
Viewing Angle	2θ _{1/2}	–	25	–	Deg	
Light Current	I _L	–	1.8	–	μA	H as1mw/cm ² @940nm,VR=5V
Reverse Dark Current	I _D		2	10	nA	H=0mw/cm ² ,VR=10V
Junction Capacitance	C _J		1.5		PF	VR=3V,f=1MHZ, H=0mw/cm ²

■ LAMP PACKING.

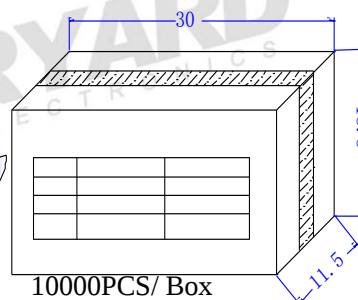


5mm 1000PCS/Polybag



60000PCS/ Carton

OUTSIDE LABEL



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