

PRODUCT SPECIFICATION

Model No.: FYL-3012PD1A

Descriptions:

- Emitting Color: Photo diode.
- Device Outline: $\Phi 3\text{mm}$ round type.
- Lens Type: Deep blue.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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■ Features

- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

[illegible]

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.
4. The drawing is different from the actual one, please refer to the sample.

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■ **Absolute Maximun Ratings(Ta=25°C)**

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

■ **Typical Electrical &Optical Charcteristics(Ta=25°C)**

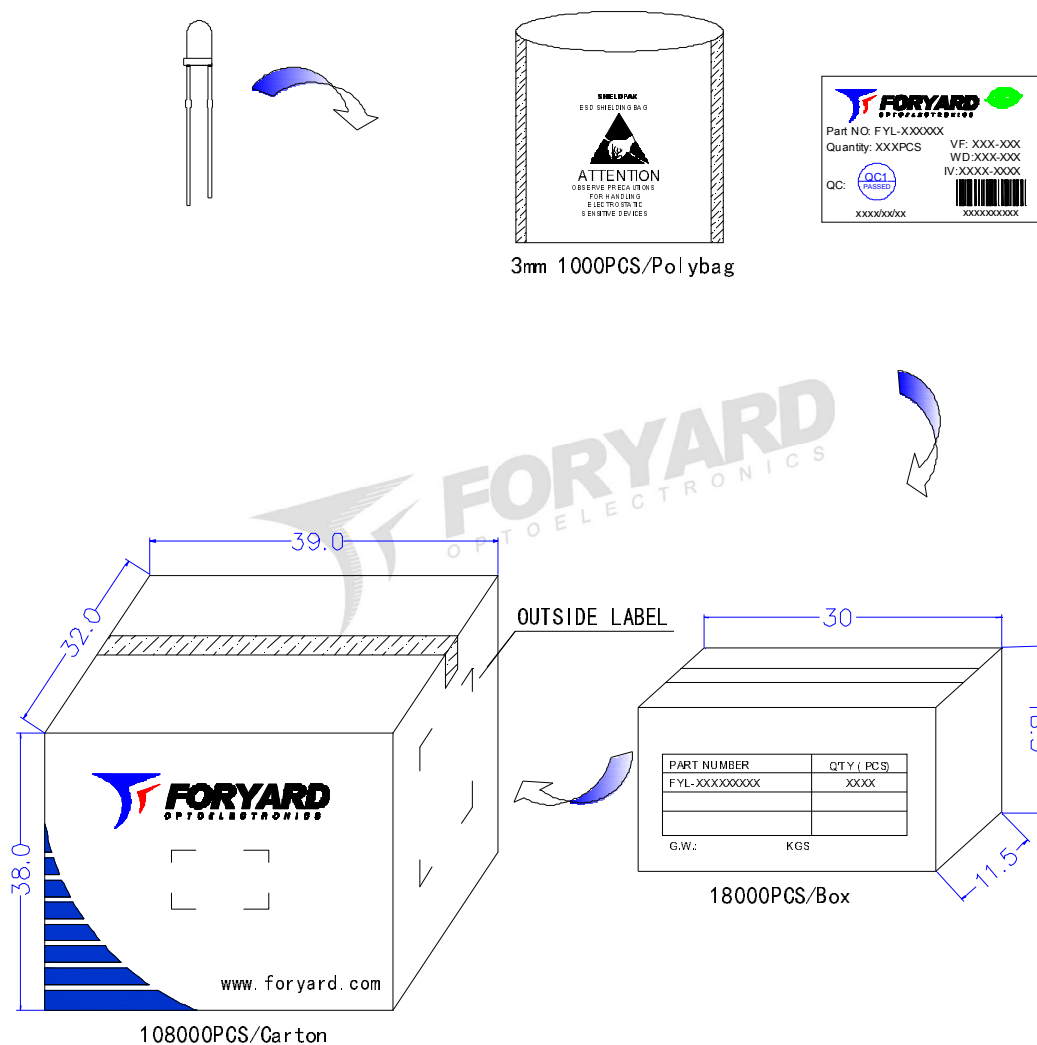
Parameter	Symbol	Min.	Typ.	Max.	Test Condition	Unit
Forward Voltage	V_F	0.5	1.3	1.7	$I_F=20mA$	V
Peak Sensing Wavelength	λ_p	---	940	---	$I_F=20mA$	nm
Light Current	I_L	---	1.8	--	$V_R=5V, 1mw/cm^2@940nm$	μA
Reverse Dark Current	I_D	---	2	10	$H=0mw/cm^2, V_R=10V$	nA
Junction Capacitance	C_J	---	1.5	--	$V_R=3V, F=1MHZ, H=0mw/cm^2$	PF

Note:

- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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■ LAMP PACKING.



Note: The specifications are subject to change without notice. Please contact us for updated information.