

PRODUCT SPECIFICATION

Model No.: FYLS-0402UBC

Features:

- SMD Type
- Size (mm): 1.0*0.5*0.35
- Emitting Color: Blue
- SMT package
- Suitable for all SMT assembly and soldering method
- Pb-free Reflow soldering application
- RoHS Compliant

NEW

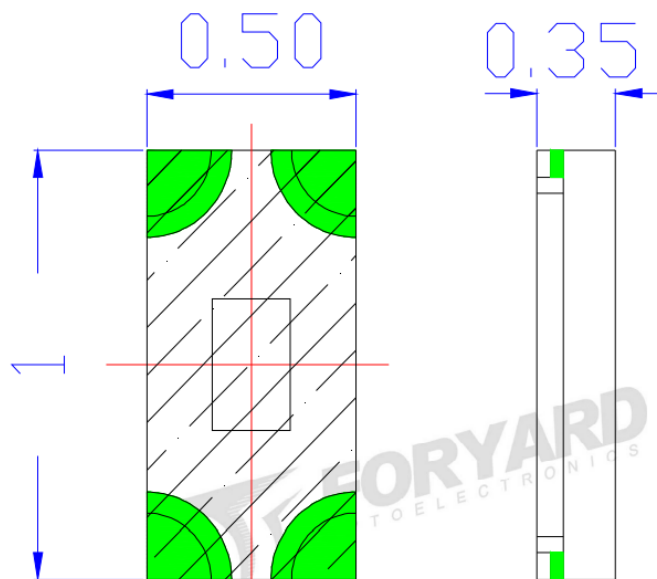


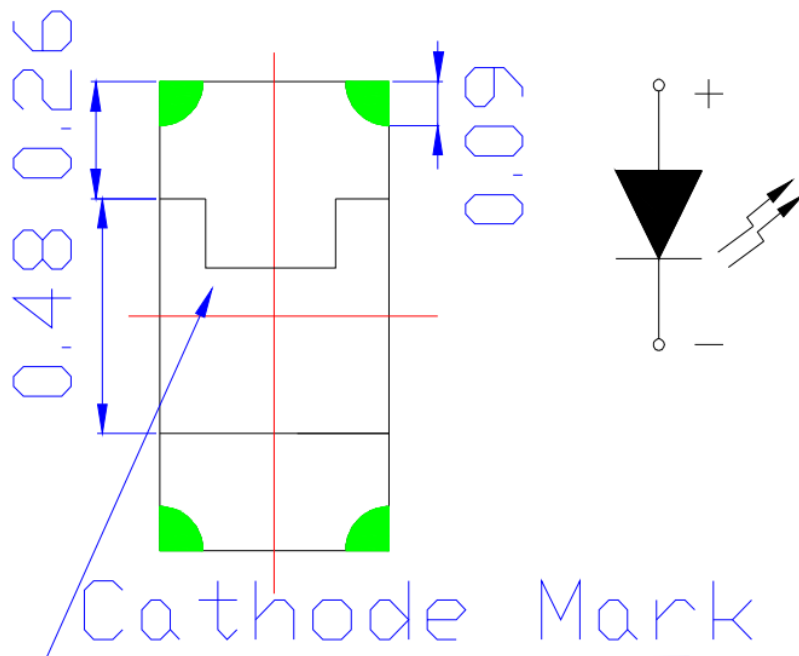
Applications:

- Light Strips
- LCD Backlight
- Decorative lighting
- Indicators
- Interior automotive
- Illuminations
- Mobile Phones

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■ Mechanical Dimensions





Notes:

1. Dimension in millimeter [inch], tolerance is ± 0.25 [.010].
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

■ **Absolute Maximum Ratings**($T_a=25^\circ\text{C}$)

Items	Symbol	Absolute maximum Rating	Unit
Forward Current(DC)	IF	30	mA
Peak Forward Current*	IFP	100	mA
Power Dissipation	PD	100	Mw
Operation Temperature	Topr	-30° C~+80° C	°C
Storage Temperature	Tstg	-40°C~+100°C	°C
Reverse Voltage	VR	5	V
Soldering Temperature	Tsol	Reflow Soldering:250°C/5sec	

*Pulse width $\leq 1\text{msec}$ duty $\leq 1/10$

■ **Typical Electrical & Optical Characteristics**($T_a=25^\circ\text{C}$)

Items	Symbol	Condition	Min.	Typ.	Max	Unit
Forward Voltage	VF	IF = 20mA	2.80	---	3.60	V
Reverse Current	IR	VR = 5V			10	uA
Peak Emission Wavelength	λ_p	IF = 20mA		470		nm
Dominant Wavelength	λ_D	IF = 20mA		468		nm
Luminous Intensity	IV	IF = 20mA		120		mcd
50% Power Angle	$2\theta_{1/2}$	IF = 20mA	---	130	---	Deg

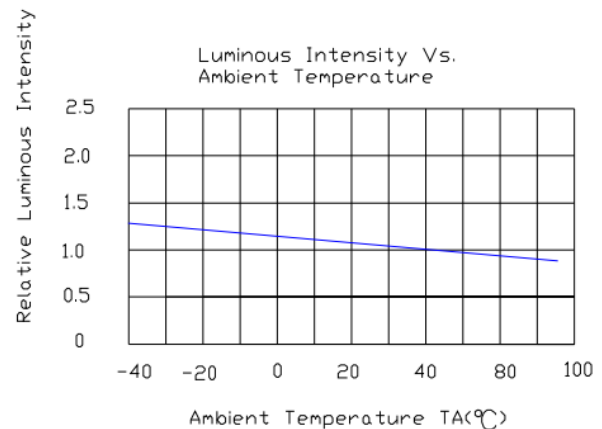
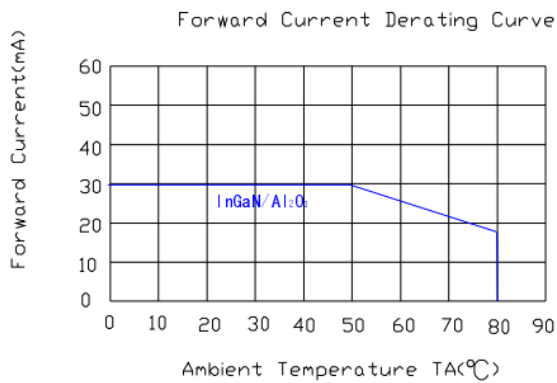
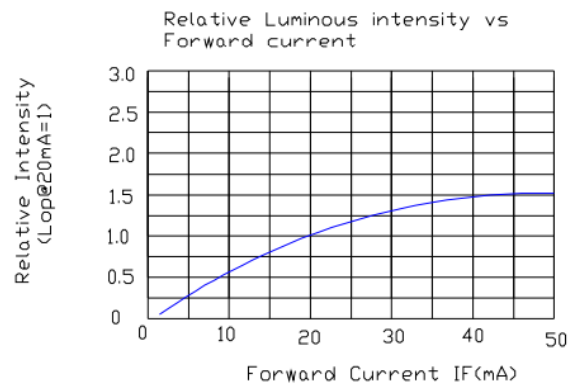
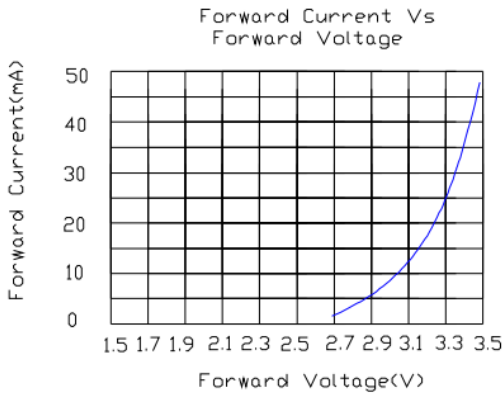
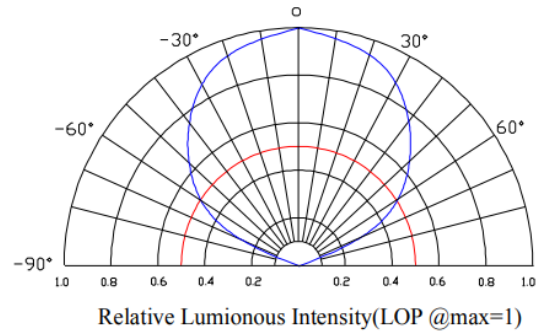
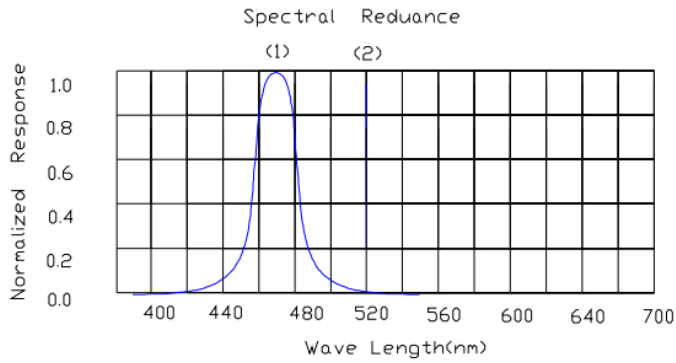
Material

Item	Reflector	Wire	Encapsulate	Chip
Material	/	Gold	Silicone	InGaN

Note:

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

Typical Eletrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)



Packing Diagram

