

Model. No.	FYL-5023GT1A
Rev.	A

PRODUCT SPECIFICATION

Model No.: FYL-5023GT1A

Descriptions:
■ Dice material: GaP
■ Emitting Color: Yellow Green
■ Device Outline: Φ5mm Bullet head type.
■ Lens Type: Green transparent.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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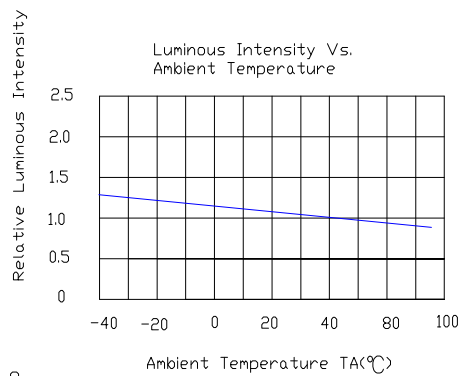
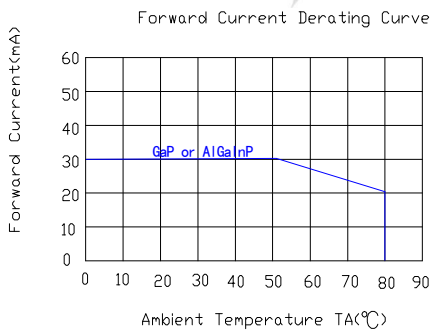
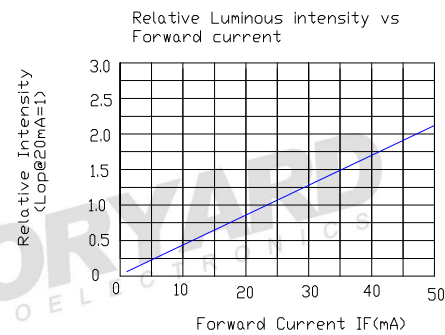
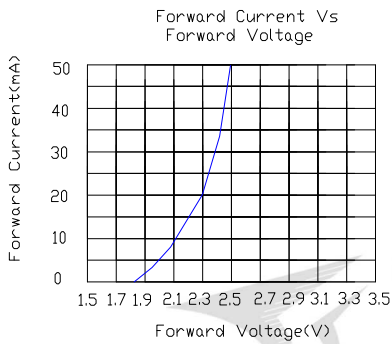
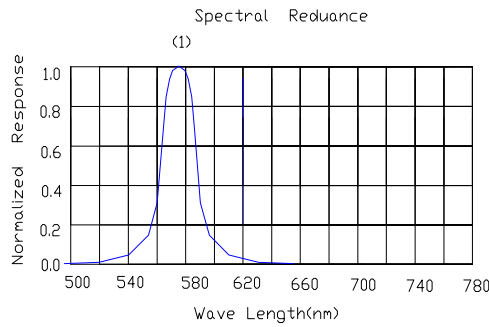
■ Absolute maximum ratings($T_a=25\text{ }^\circ\text{C}$)

Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50 $^\circ\text{C}$	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	-40 $^\circ\text{C}$ to +85 $^\circ\text{C}$	
Storage Temperature Range	-40 $^\circ\text{C}$ to +100 $^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ\text{C}$ for 5 Seconds	

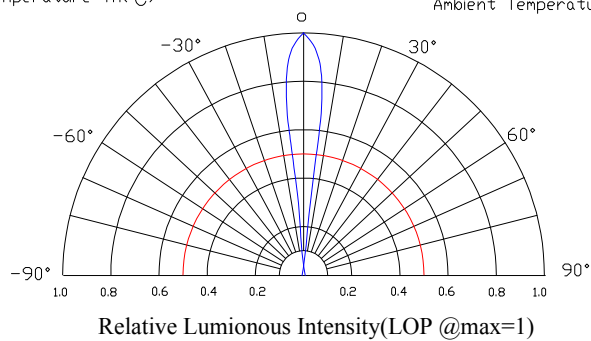
■ Electrical and optical characteristics($T_a=25\text{ }^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	120	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	15	-	Deg	
Peak Emission Wavelength	λ_p	563	568	573	nm	
Dominant Wavelength	λ_d	565	570	575	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	20	-	nm	
Forward Voltage	V_F	1.8	2.1	2.6	V	$V_R=5\text{V}$
Reverse Current	I_R			10	μA	

■ **Typical Electrical Characteristics Curves**
(25 °c Ambient Temperature Unless Otherwise Noted)

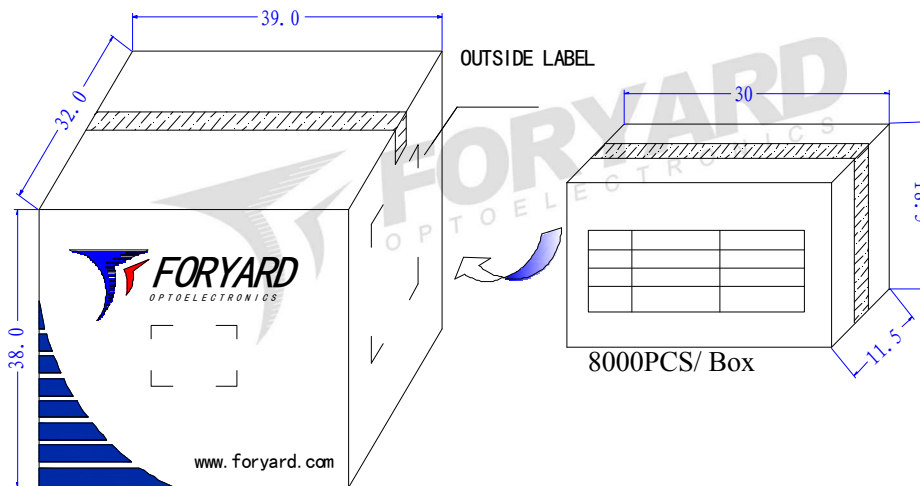


Radiation pattern.



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■ LAMP PACKING



48000PCS/ Carton



OUTSIDE LABEL