



HUIYUAN OPTO-ELECTRONIC CO.,LTD.

TECHNOLOGY DATA SHEET & SPECIFICATIONS

MODEL: 7206G3C-CSC-A

Features

- Electricity control IC embedded
- Fancy, fun, hottest in the market.
- Lens size with 5mm / 8mm / 10mm options..
- Blinking frequency : 1.8-2.0Hz
- Frequency tolerance : $\pm 20\%$
- RoHS compliant



Descriptions

- New trend creations
- Low energy consumptions
- Low maintenance costs
- High application design flexibility
- High reliability

Usage Notes:

- Surge will damage the LED
- When using LED, it must use a protective resistor in series with DC current about 20mA

Applications

- Toys / sports utilities
- Miniature key chains
- Effect Lights.
- Display / decoration lights .
- Electronic displays and signals
- Interior decoration lights.
- Indicator lights.
- Solar energy lights / garden lights



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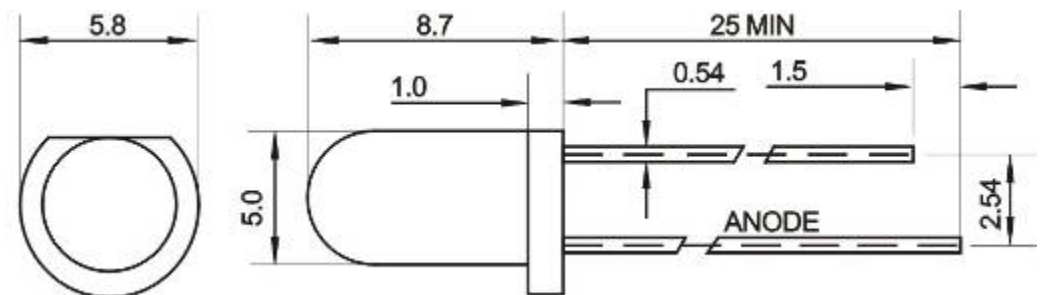
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Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
7206G3C-CSC-A	AlGaInP	Green	Water clear

Package Dimensions



UNIT:mm

Notes:

- *Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- *Protruded resin under flange is 1.5mm Max LED.
- *Bare copper alloy is exposed at tie-bar portion after cutting



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Electro-Optical Characteristics ($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	3300	---	4800	mcd	$I_F=20\text{mA}$ (Note1)
Viewing Angle	$2\theta_{1/2}$	20	---	25	Deg	(Note 2)
Peak Emission Wavelength	λ_p	520	---	535	nm	$I_F=20\text{mA}$
Spectral Line Half-Width	$\Delta\lambda$	15	20	25	nm	$I_F=20\text{mA}$
Blinking Frequency	f_{led}	1.8	---	2.0	Hz	$I_F=20\text{mA}$
Forward Voltage	V_F	3.0	---	5.0	V	$I_F=20\text{mA}$
Reverse Current	I_R	---	---	10	μA	$V_R=5\text{V}$

Note:

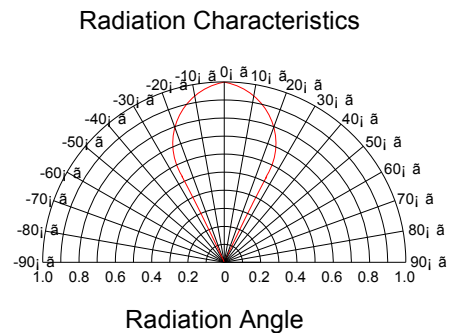
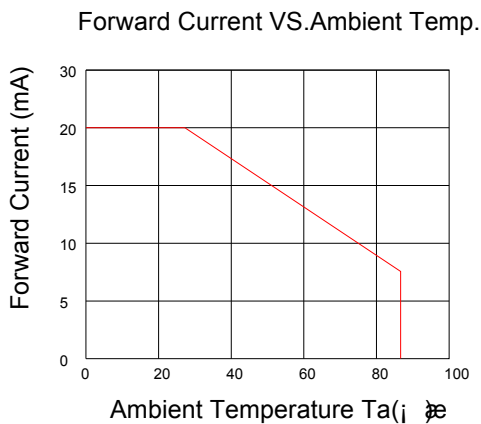
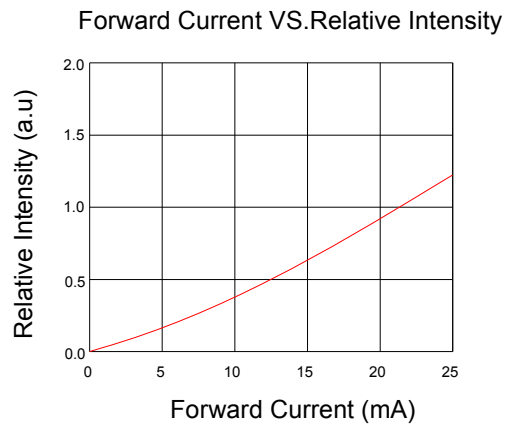
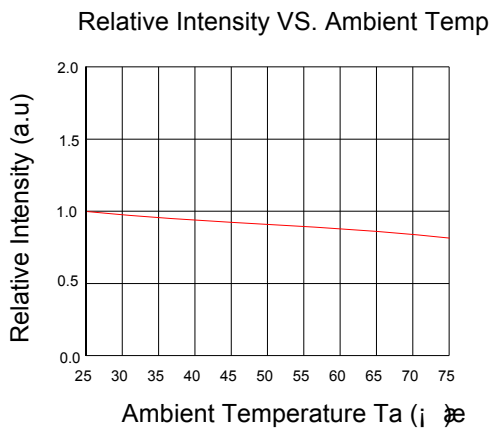
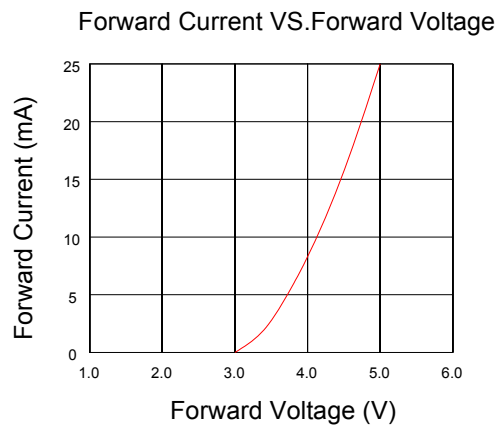
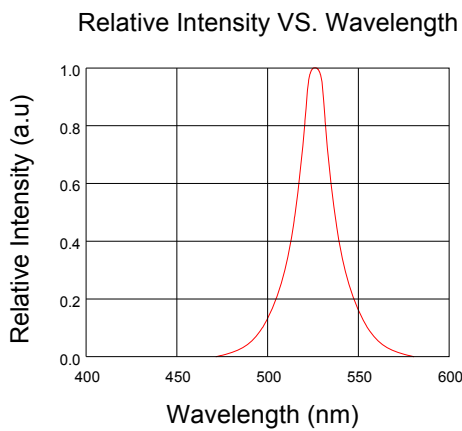
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.



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Typical Electro-Optical Characteristics Curves





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Notes

1. Above specification may be changed without notice. HYLEd will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. HYLEd assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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