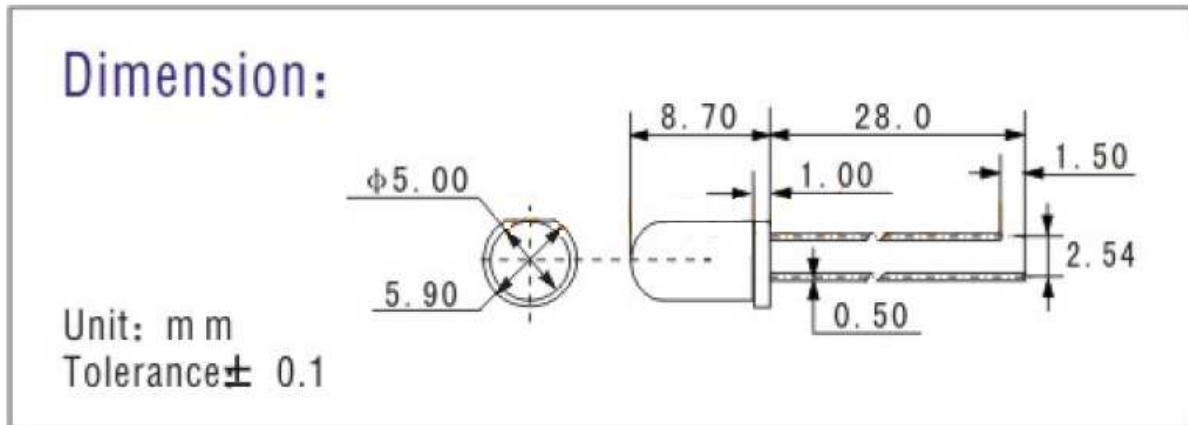


SE-5-04GC-12

DATA SHEET

- Encapsulated with water clear color package
- General purpose leads
- Reliable and rugged

Chip Material	Source Color	Lens Color
InGaN	Green	Water Clear



Notes:

1. All dimensions are in millimeters.
2. Tolerance ± 0.1 mm unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.
4. Lead spacing is measured where the leads emerge from the package
5. Specifications are subject to change without notice.
6. This data-sheet only valid for six months.

Absolute Maximum Rating

Parameter	Maximum Rating	Unit
Peak Forward Current	100	mA
Continuous Forward Current	25	mA
Debating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-30°C to +85°C	
Storage Temperature Range	-30°C to +85°C	
Lead Soldering Temperature [4mm From Body]	260°C for 3 seconds	

Electro-Optical Characteristics (Ta=25°C)

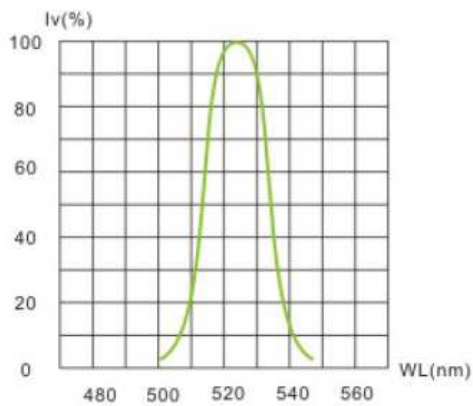
Parameter	Test Condition	Symbol	Min.	Typ	Max.	Unit
Forward Voltage	If=20mA	V _{DD}		12		V
Wavelength	If=20mA	λ D	520		530	nm
Luminous Intensity	If=20mA	I _v	8000		11000	mcd
Reverse Current	V _r =5V	I _r	0		10	μ A
Viewing Angle	If=20mA	2 θ 1/2	10		15	deg

Notes:

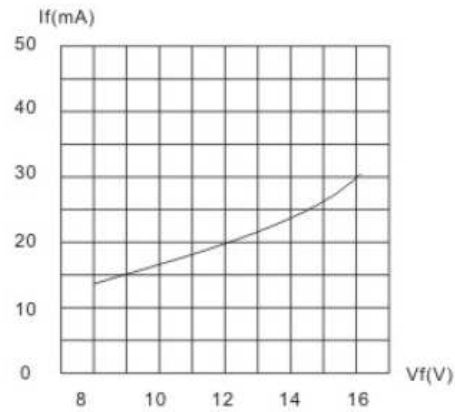
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. θ 1/2 is the off axis angle at which the luminous intensity is half the axial luminous intensity.
3. The dominant wavelength (λ D) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

Typical /electrical/ optical characteristics Curves (Ta=25°C)

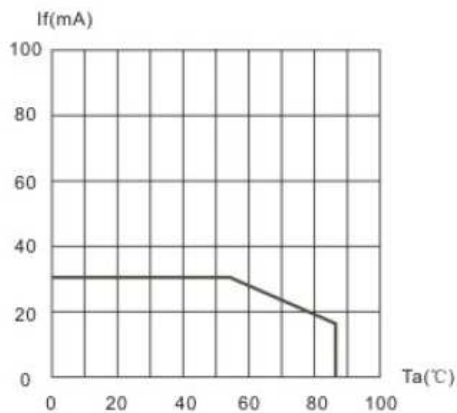
Relative Luminous Intensity vs. Wavelength



Forward characters vs. Forward voltage



Forward characters vs. Temperature



Beam Pattern

