

Part NO: LLR522BG-D26

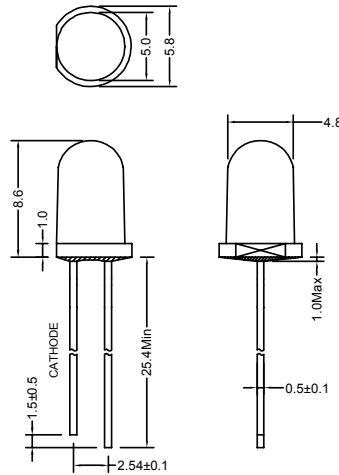
Package Dimensions :

Features:

- Bi-color
- High bright output
- Large view angle
- Low power consumption
- High reliability and long life

Descriptions:

- Dice material: InGaN
- Emitting Color: Super Bright Blue Green
- Device Outline: 5mm Round Type
- Lens type: water clear



Notes:

1. All dimensions are millimeters: mm
Tolerance is +0.20mm unless otherwise noted

Absolute maximum ratings (Ta=25)

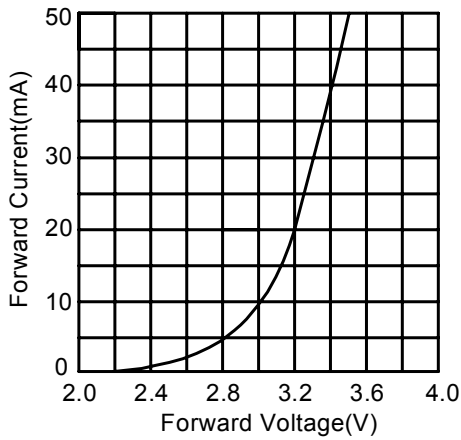
Parameter	Symbol	Test Condition	Values		Unit
			Min	Max	
Reverse Voltage	VR	IR=30μA	5	---	V
Forward Current	IF	---	---	25	mA
Power Dissipation	Pd	---	---	90	mW
Pulse Current	Ipeak	Duty=0.1mS, 1kHz	---	100	mA
Operating Temperature	Topr	---	-40	+85	
Storage Temperature	Tstr	---	-40	+100	
Electrostatic Discharge Rank	ESD	MIL-STD883E(HBM)	Class1		---

Electrical and optical characteristics (Ta=25)

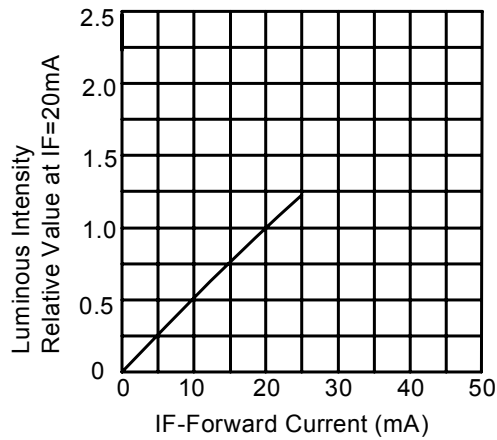
Parameter	Symbol	Test Condition	Values			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF=20mA	---	3.2	3.6	V
Reverse Current	IR	VR=5V	---	---	30	μA
Dominant Wavelength	λ_d	IF=20mA	---	505	---	nm
Peak Wavelength	λ_P	IF=20mA	---	500	---	nm
Spectral Line half-width		IF=20mA	---	35	---	nm
Luminous Intensity LLR513BGC	-G	IF=20mA	6000	8000	---	mcd
	-H		8000	10000		
Viewing Angle	2θ1/2	IF=20mA	---	26	---	Deg.

Typical Electrical-Optical Characteristics Curves: Blue Green

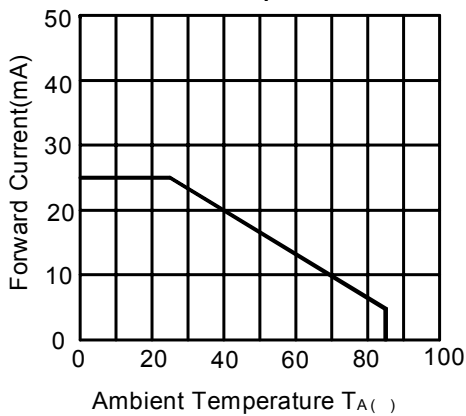
Forward Current Vs Forward Voltage



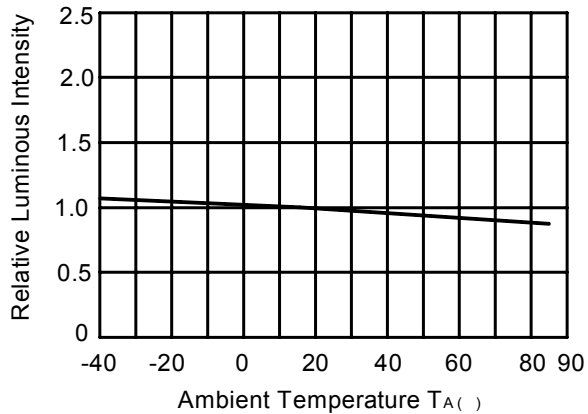
Relative Intensity Vs Forward Current



Forward Current Vs Environmental Temp



Relative Intensity Vs Environmental temp



Relative Intensity Vs Wavelength

