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Features

- ◆ Low power consumption.
- ◆ High efficiency.
- ◆ Versatile mounting on P.C. Board or panel.
- ◆ Low current requirement.
- ◆ Choice of various viewing angles
- ◆ Available on tape and reel.
- ◆ Reliable and robust
- ◆ Pb free
- ◆ The product itself will remain within RoHS compliant version.

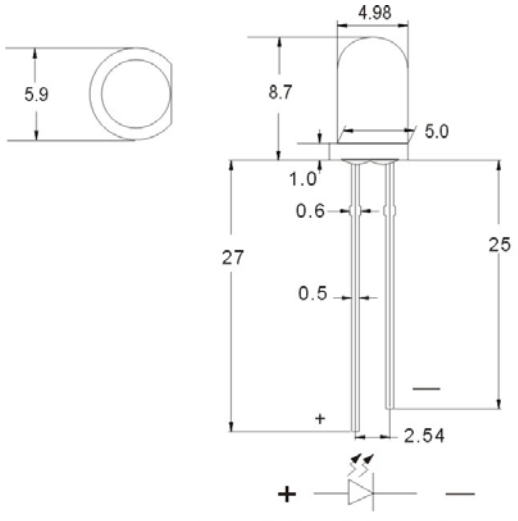
Descriptions

- ◆ The series is specially designed for applications requiring higher brightness
- ◆ The led lamps are available with different colors, intensities.

Applications

◆ TV set ◆ Monitor ◆ Telephone ◆ Computer ◆ Circuit board

Package Dimension:



NOTE:TOLERANCE±0.5mm

Part NO.	Material	Lens Color	Source Color
5G4VC-A15X515	InGaN	Water Clear	Pure Green

Notes:

1. All dimensions are in millimeters (inches).
2. Tolerances unless Dimension ±0.25mm.
3. An epoxy meniscus may extend about 1.5mm (0.059") down to the lead.

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Absolute Maximum Ratings at Ta=25℃

Parameter	Symbol	MAX.	Unit
Power Dissipation	P_D	120	mW
Peak Forward Current（1/10 Duty Cycle,0.1ms Pulse Width）	I_{FP}	100	mA
Continuous Forward Current	I_F	30	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	Topr	-40℃ to +85℃	
Storage Temperature Range	Tstg	-40℃ to +100℃	
Lead Soldering Temperature [4mm(.157") From Body]	Tsol	260℃ for 5 Seconds	

Electrical Optical Characteristics: at Ta=25℃

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V		18000		mcd	I_F=20mA
Viewing Angle	$2\theta_{1/2}$		15		deg	I_F=20mA
Peak Emission Wavelength	λ_P		510		nm	I_F=20mA
Dominant Wavelength	λ_d	515		525	nm	I_F=20mA
Spectral Line Half-Width	$\triangle\lambda$		35		nm	I_F=20mA
Forward Voltage	V_F	3.0	3.3	3.8	V	I_F=20mA
Reverse Current	I_R			100	μA	V_R=5V

Notes:

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.
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