



Opto Plus LED Corp.

OPL-3014GD-60

3 mm Dia LED Lamp

● **EDIT HISTORY**

Version : Aug.20, 2012

Preliminary Spec.

Manufacture	Examination	Approving



Opto Plus LED Corp.

OPL-3014GD-60

3 mm Dia LED Lamp

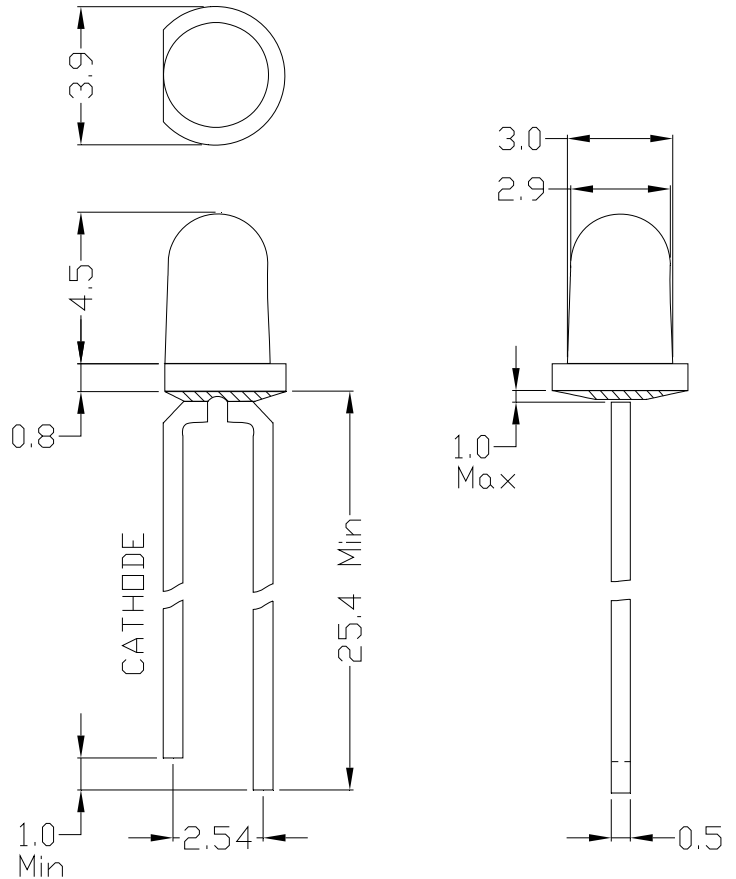
DESCRIPTION

Chip Material : GaP/GaP
Emitting Color : Green
Lens Color : Green Diffused

FEATURES

Low power consumption.
High efficiency
Round type
T1(3mm)diameter
With Flange
Solder leads without stand-off
Compliant with RoHs

PACKAGE DIMENSIONS



NOTES

1. All dimensions are in millimeters.
2. Lead spacing is measured where the leads emerge from the package.

Tolerance is $\pm 0.25\text{mm}$
Unless Otherwise Specified.

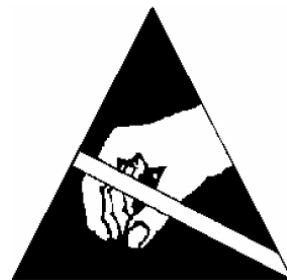
RoHS Compliance



Pb free.



ESD





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● G: YELLOW GREEN (GaP/GaP)

ABSOLUTE MAXIMUM RATING AT Ta=25°C

Parameter	Symbol	Yellow Green	Unit
Power dissipation	P _{AD}	80	mW
Reverse voltage	V _R	5	V
Continuous forward current	I _{AF}	30	mA
Temperature coefficient	I/C	0.4	mA/°C
Pulse current	I _{PF}	100	mA
Operating temperature	T _{OPR}	-25 to +85	°C
Storage temperature	T _{STG}	-40 to +100	°C
Soldering Condition	T _{sd}	265°C/5set	°C

ELECTRICAL - OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =20mA	-	2.2	2.6	V
Reverse current	I _R	V _R =5V	-	-	50	μA
Peak wavelength	λ _P	I _F =20mA	-	568	-	nm
Luminous intensity	I _V	I _F =20mA	-	15	-	mcd
Spectral radiation bandwidth	Δλ	I _F =20mA	-	30	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	60	-	deg

NOTE:

Luminous Intensity Measurement allowance is ± 10%.

2θ_{1/2} is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

The dominant wavelength is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.



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Typical Electro-optical Characteristic Curves (25 °C Free Air Temperature Unless Otherwise Specified)

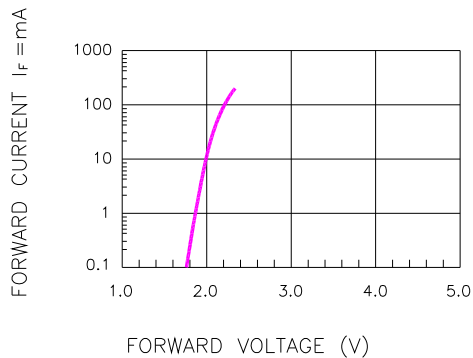


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

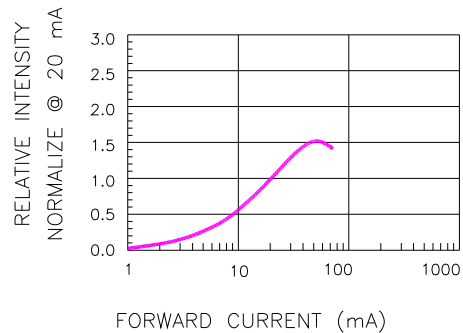


Fig.2 RELATIVE INTENSITY VS. FORWARD CURRENT

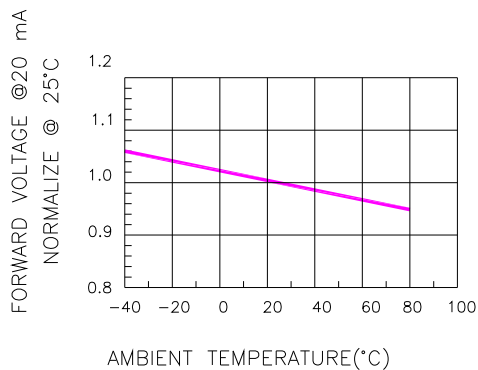


Fig.3 FORWARD VOLTAGE VS. TEMPERATURE

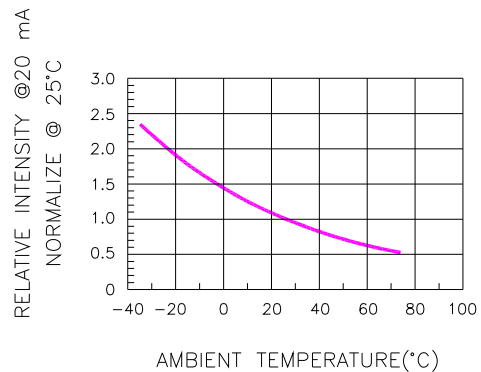


Fig.4 RELATIVE INTENSITY VS. TEMPERATURE

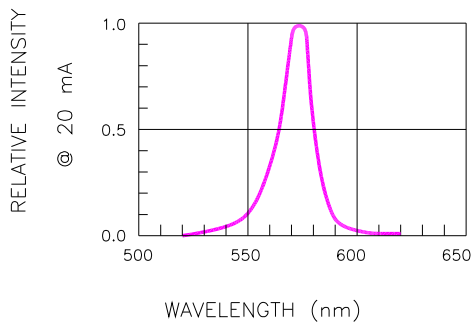


Fig.5 RELATIVE INTENSITY VS. WAVELENGTH

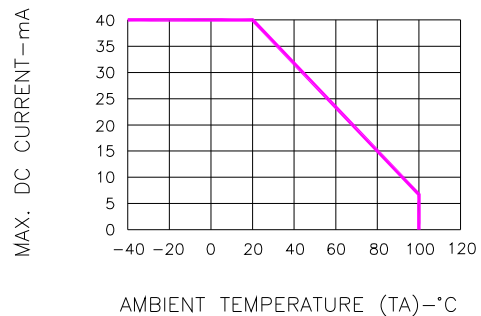


Fig.6 MAX. ALLOWABLE DC CURRENT VS. AMBIENT TEMPERATURE