

Opto Plus LED Corp.

OPL-3004YD-60-H1A

3 mm Dia LED Lamp

● EDIT HISTORY

Version A : Mar.05, 2015

Preliminary Spec.

Manufacture	Examination	Approving



Opto Plus LED Corp.

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DESCRIPTION

Chip Material : GaAsP /GaAs

Emitting Color : Yellow

Lens Color : Yellow Diffused

FEATURES

Low power consumption.

High efficiency

Round type

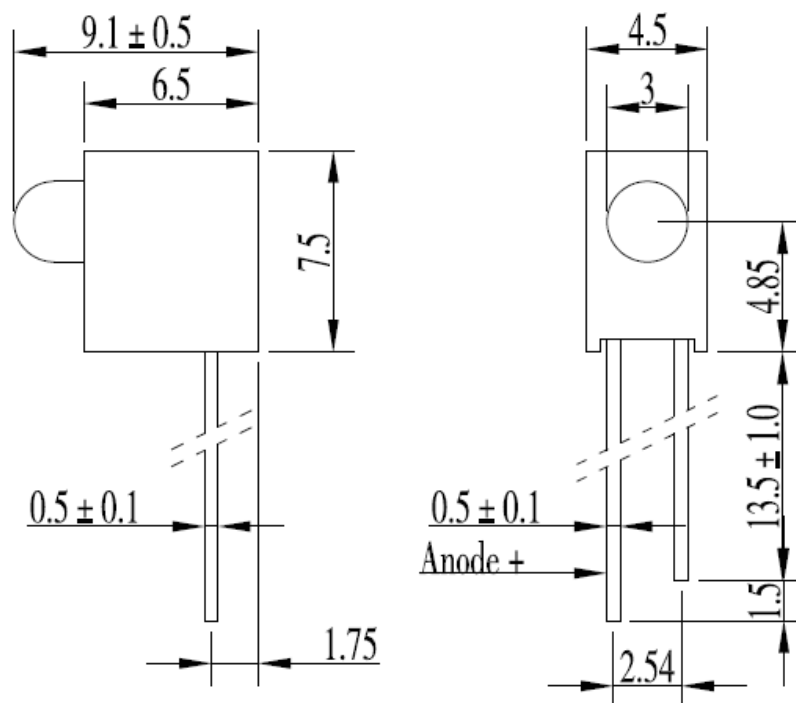
T1(3mm)diameter

With Flange

Solder leads without stand-off

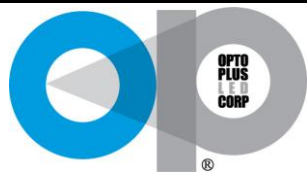
Compliant with RoHs

PACKAGE DIMENSIONS



Tolerance is $\pm 0.25\text{mm}$

Unless Otherwise Specified



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● Y: YELLOW (GaAsP/GaP)

ABSOLUTE MAXIMUM RATING AT Ta=25°C

Parameter	Symbol	Yellow	Unit
Power dissipation	P _{AD}	60	mW
Reverse voltage	V _R	5	V
Continuous forward current	I _{AF}	25	mA
Temperature coefficient	I/C	0.33	mA/°C
Pulse current	I _{PF}	100	mA
Operating temperature	T _{OPR}	-25 to +85	°C
Storage temperature	T _{STG}	-30 to +100	°C
Soldering Condition	T _{sd}	260°C/5set	°C

ELECTRICAL - OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =20mA	-	2.1	2.5	V
Reverse current	I _R	V _R =5V	-	-	50	μA
Peak wavelength	λ _P	I _F =20mA	-	589	-	nm
Dominant wavelength	λ _D	I _F =20mA	-	590	-	nm
Luminous intensity	I _V	I _F =20mA	19	37.2	-	mcd
Spectral radiation bandwidth	Δλ	I _F =20mA	-	35	-	nm
Viewing Angle	2θ1/2	I _F =20mA	-	60	-	deg



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● Y: YELLOW (GaAsP/GaP) CURVE

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

