



HUIYUAN ELECTRONIC CO.,LTD.
慧源电子有限公司

TECHNOLOGY DATA SHEET & SPECIFICATIONS

MODEL: 3004G6D-PLS

Features

- *Choice of various viewing angles
- *Low Power consumption
- *General purpose leads
- *Available on tape and reel.
- *Reliable and robust
- *The product itself will remain within RoHS compliant version.
- *Pb free



Descriptions

- *The LED lamps are available with different colors, intensities, epoxy colors, etc

Usage Notes:

- *When using LED, it must use a protective resistor in series with DC current about 18mA

Applications

- TV set
- Monitor
- Telephone
- Computer

Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
3004G6D-PLS	GaP	Green	Color Diffused

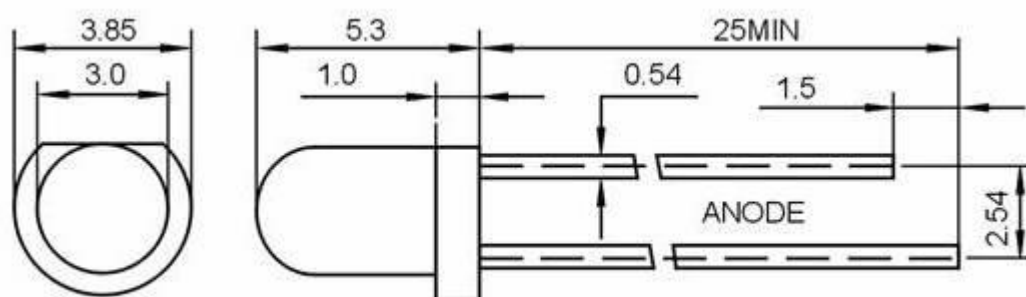


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Package Dimensions



UNIT: mm

Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.



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Absolute Maximum Rating ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Pulse Current	I_{FPM}	100	mA
Forward Current	I_{FM}	30	mA
Reverse Voltage	V_{R}	5	V
Power Dissipation	P_{D}	90	mW
Operating Temperature	T_{opr}	$-40\sim+80$	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	$-40\sim+100$	$^{\circ}\text{C}$
Soldering Heat (5s)	T_{sol}	260	$^{\circ}\text{C}$

Note: *1: Soldering time $\leq$ 5 seconds.

Electro-Optical Characteristics ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_{v}	20	---	40	mcd	IF=20mA(Note1)
Viewing Angle	$2\theta_{1/2}$	---	40	---	Deg	(Note 2)
Peak Emission Wavelength	λ_{p}	565	570	575	nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$	15	20	25	nm	IF=20mA
Forward Voltage	V_{F}	1.9	---	2.3	V	IF=20mA
Reverse Current	I_{R}	---	---	10	μA	VR=5V

Note:

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.

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Typical Electro-Optical Characteristics Curves

