

Harvatek 3.0mm Round LED LAMP**HV-61O3004D-Z1**

Official Product	HV-61O3004D-Z1	Customer Part No.		Data Sheet No.
	*****	*****		CDAE-010-659
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		Oct. 15 2019	Version of 1.0	Page 1/9

DISCLAIMER

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1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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Compliance and Certification

ISO9002, QS9000 and ISO14001 Certified

RoHS Compliant



Orderable Information

H V - 61 O 3004 D - Z1

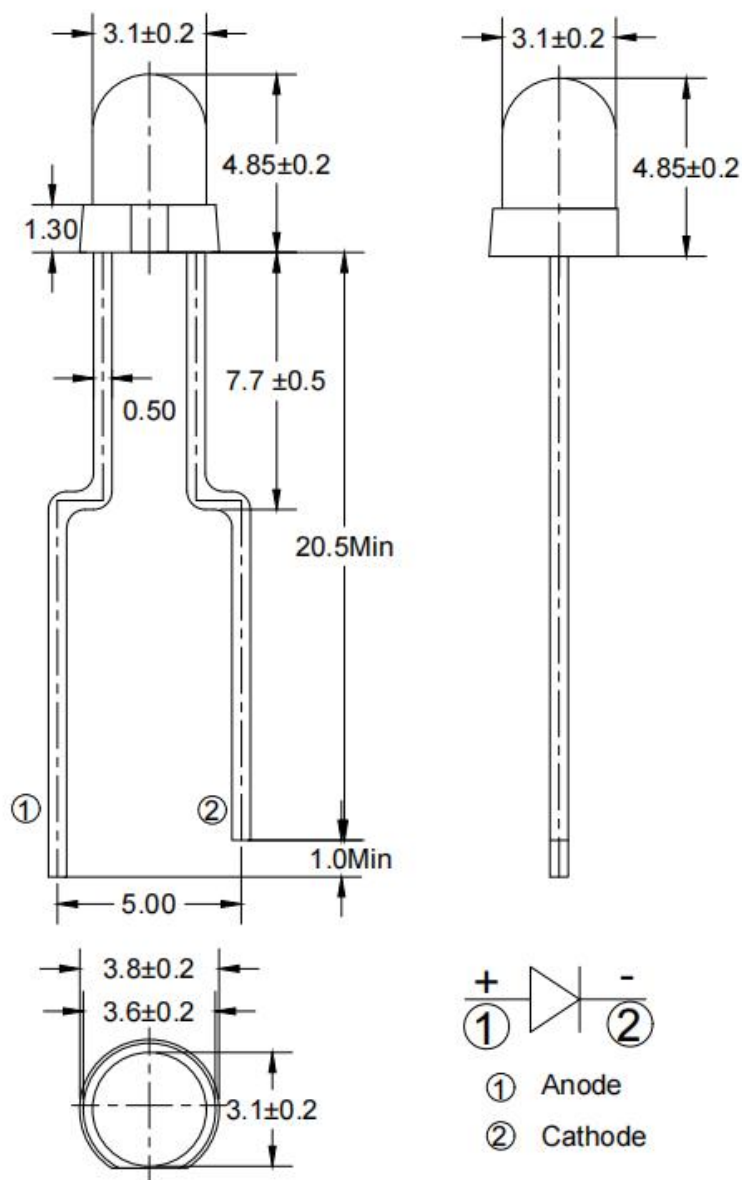
Series Name	Color Code	Remark
HV : HARVATEK	61O3004: 3.1mm Round LED LAMP,4.85mm Lens. GaAsP 588nm yellow chip D : Orange Diffused	Z1: Customer Product Code

Features:

- Stable Color
- Popular 3.1mm through hole package, 4.85mm lens height.
- Orange Diffused lens

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Package Dimensions:



Notes:

- 1.All dimensions are millimeters.
- 2.Tolerance is $\pm 0.25 \text{ mm}$ unless otherwise noted.
- 3.Specifications are subject to change without notice.

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Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Forward Current	IF	30	mA
Operating Temperature	Topr	-40to+85	°C
Storage Temperature	Tstg	-40to+100	°C
Soldering Temperature*1	Tsol	260±5	°C
Power Dissipation	Pd	75	mW
Reverse Voltage	VR	5	V
Peak Forward Current*2	IFp	0.1	A

*1:Soldering time \leq 5 seconds. *2 tw=100u second T=10m second.

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Electrical and Optical Characteristic

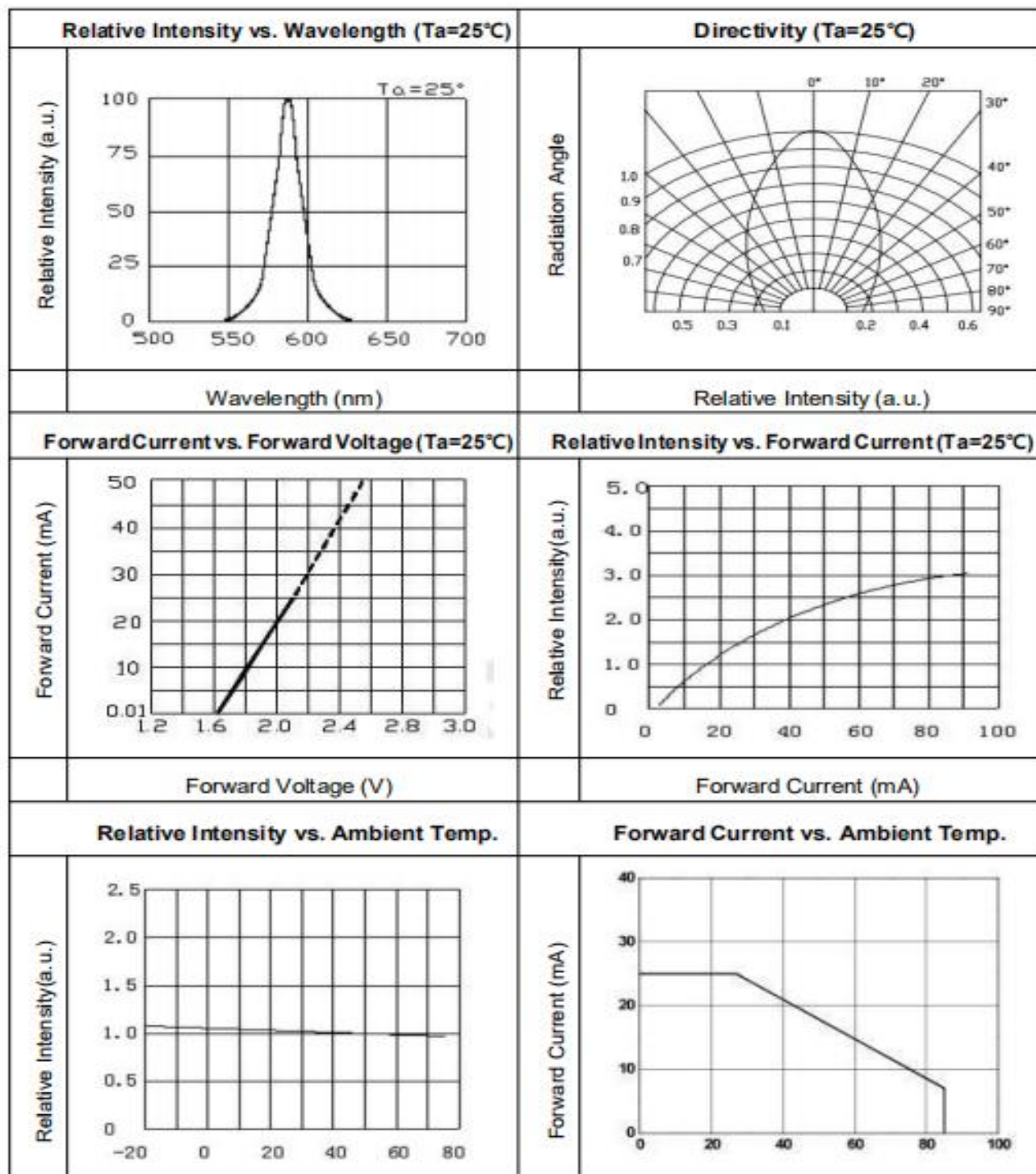
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=10\text{ mA}$	/	2.0	2.6	V
Reverse Current	I_R	$V_R=5\text{ V}$	/	/	10	μA
Luminous Intensity	I_V	$I_F=10\text{ mA}$	4	8	/	mcd
Viewing Angle	$2\theta_{1/2}$	$I_F=10\text{ mA}$	/	60	/	deg
Dominant Wavelength	λ_d	$I_F=10\text{ mA}$	/	590	/	nm
Peak Wavelength	λ_p	$I_F=10\text{ mA}$	/	588	/	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=10\text{ mA}$	/	30	/	nm

Notes:

1. $\theta_{1/2}$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2.Luminous intensity: +/-15%.
- 3.Wavelength: +/-1nm.

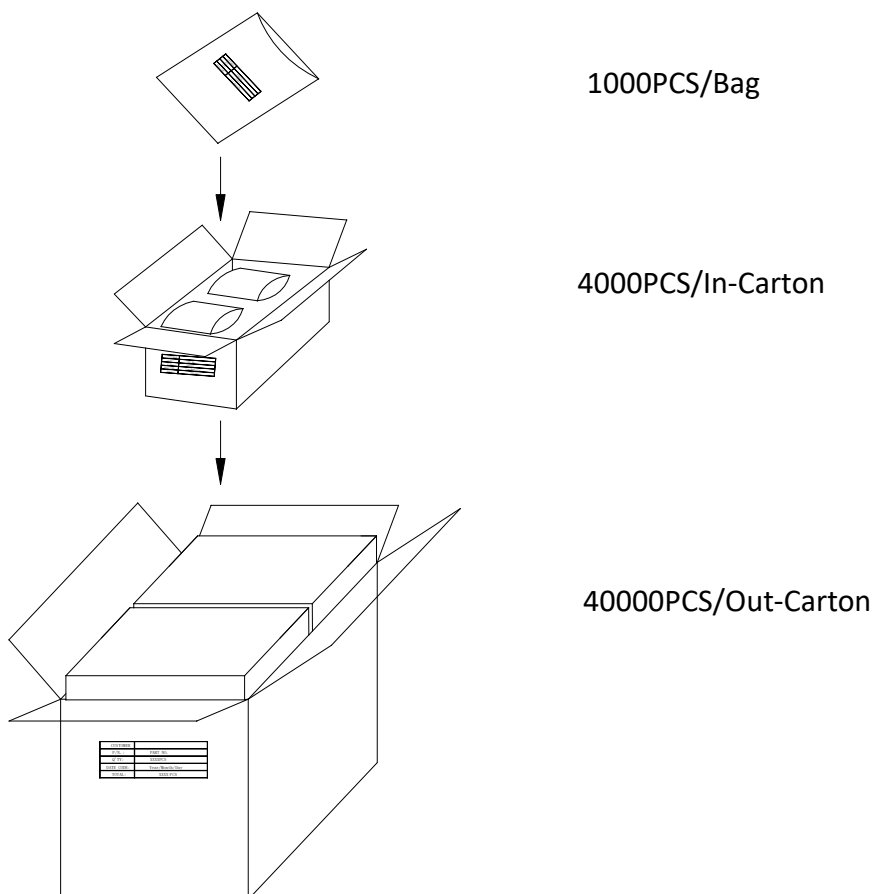
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



Typical Electro-Optical Characteristics Curve



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Packing Specification:



	HARVATEK	
CPN:		RoHS
P/N:		
		
HV-61O3004D-Z1		
QTY:		CAT:
		HUE:
LOT NO:		REF:
		

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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	15-10-2019

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