

Harvatek 5.0mm Round LED LAMP**HV-57G3303D-L50**

Official Product	HV-57G3303D-L50	Customer Part No.		Data Sheet No.
	*****	*****		CDAE-010-813
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		Mar.24 2020	Version of 1.0	Page 1/10

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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 - 57 G 3303 D - L50

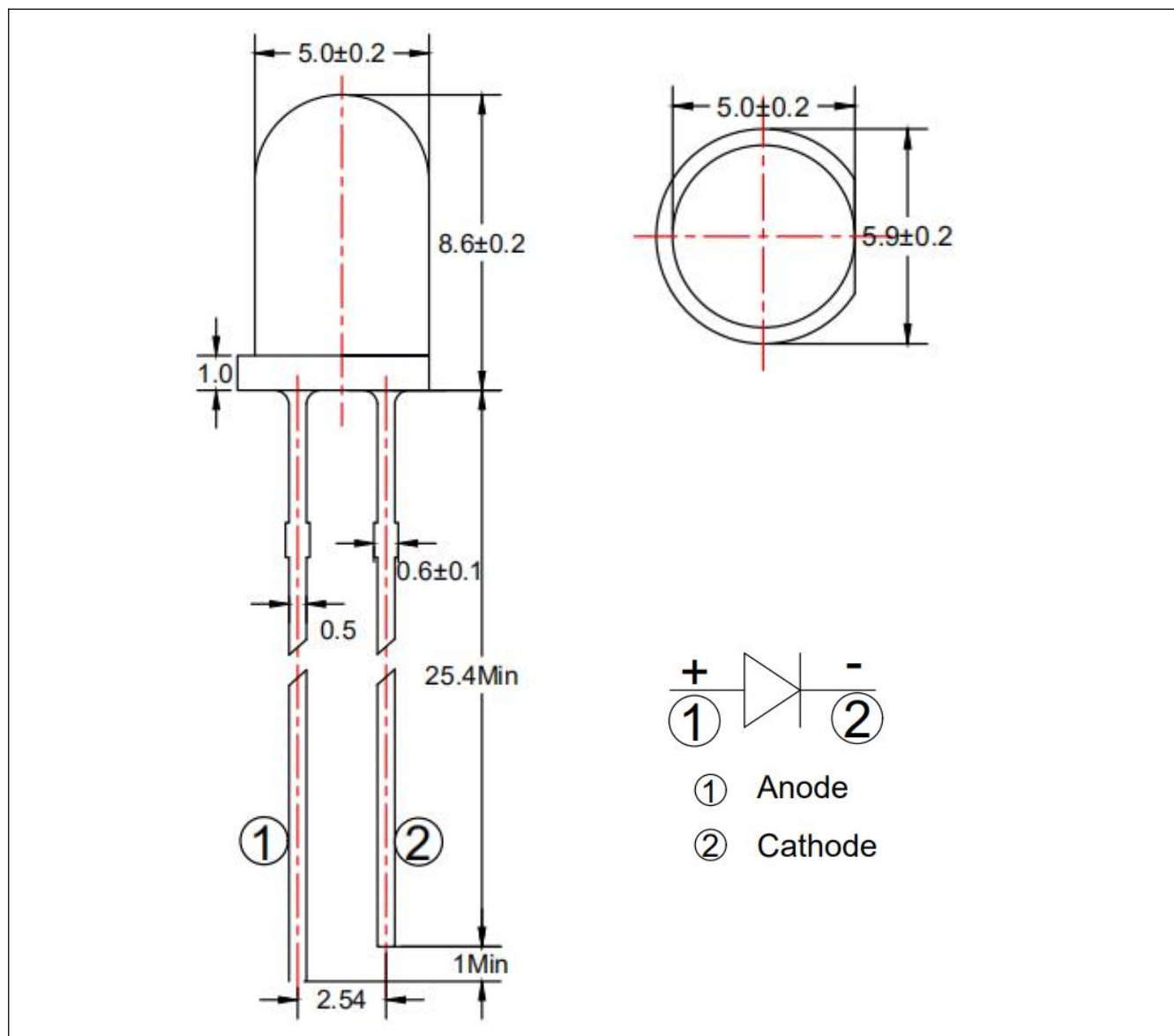
Series Name	Color Code	Remark
HV : HARVATEK	57G3303: 5.0mm Round LED LAMP,8.6mm Lens. AlGaInP 573nm Green chip D : Green Diffused L50:HARVATEK Part No.	

Features:

- Stable Color
- Popular 5.0mm through hole package, 8.6mm lens height.
- Green Diffused lens

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Package Dimensions:



Notes:

- 1.All dimensions are millimeters.
- 2.Tolerance is ± 0.25 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	I _F	30	mA
Operating Temperature	T _{opr}	-40to+85	°C
Storage Temperature	T _{stg}	-40to+100	°C
Soldering Temperature*1	T _{sol}	260±5	°C
Power Dissipation	P _d	75	mW
Reverse Voltage	V _R	5	V
Peak Forward Current*2	I _{FP}	0.1	A

*1:Soldering time \leq 5 seconds. *2:Pulse Width \leq 100 μ s and Duty \leq 1%.

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Electrical and Optical Characteristic

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{ mA}$	/	2.0	2.6	V
Reverse Current	I_R	$V_R=5\text{ V}$	/	/	10	μA
Luminous Intensity	I_V	$I_F=20\text{ mA}$	6	30	/	mcd
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{ mA}$	/	60	/	deg
Dominant Wavelength	λ_d	$I_F=20\text{ mA}$	566	573	/	nm
Peak Wavelength	λ_p	$I_F=20\text{ mA}$	570	575	/	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=20\text{ mA}$	/	20	/	nm

Notes: $\theta_{1/2}$ is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

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Specifications for Bin Grading:

I _v (mcd)		
Grade	Min.	Max.
K	6	12
L	10	20
M	16	32
N	25	50
P	40	80
Q	63	125

λ_d (nm)		
Grade	Min.	Max.
5	566	569
6	568	571
7	570	573
8	572	575
9	574	577

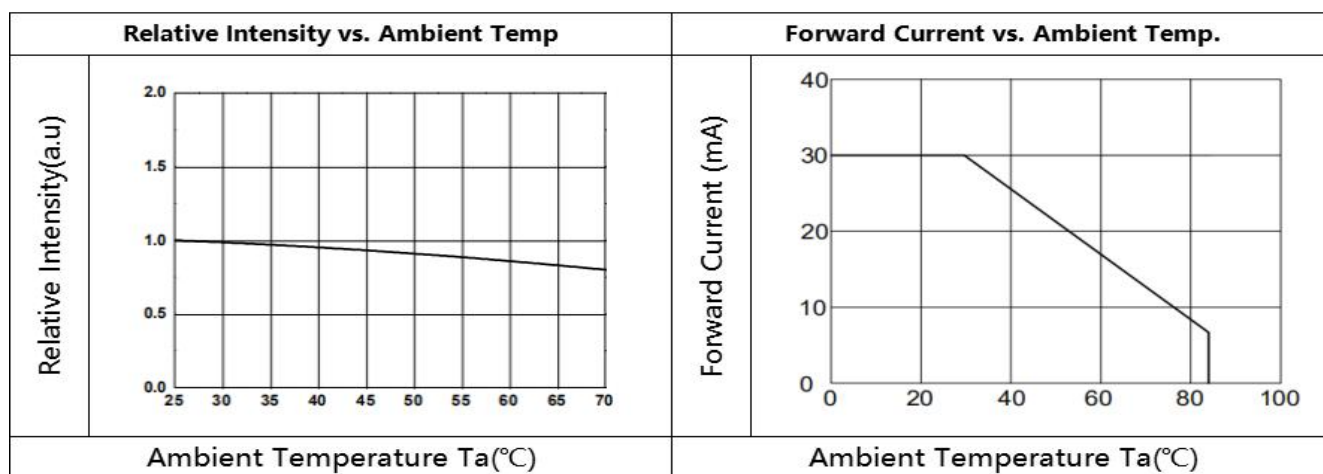
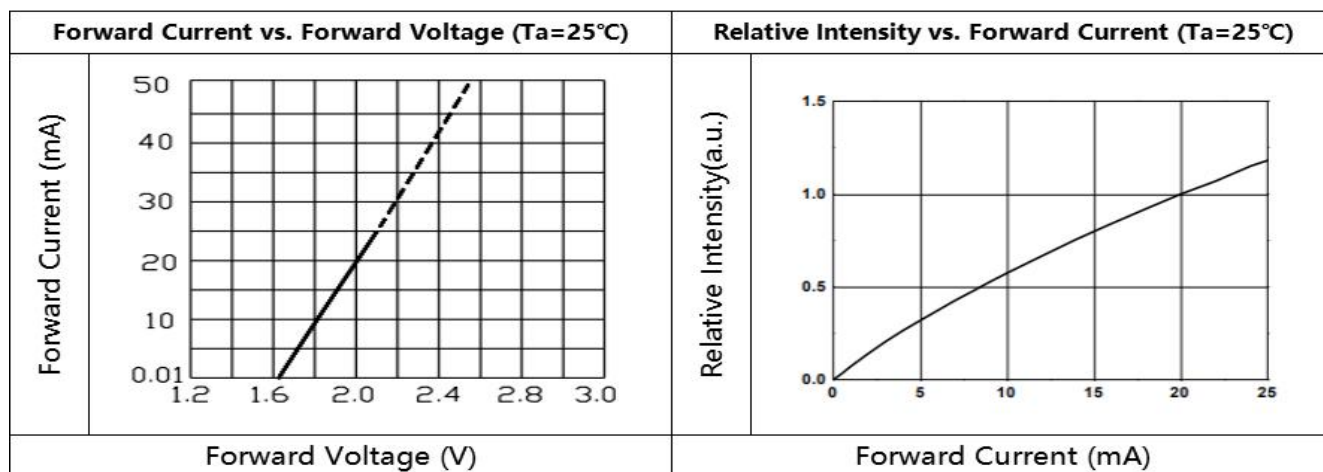
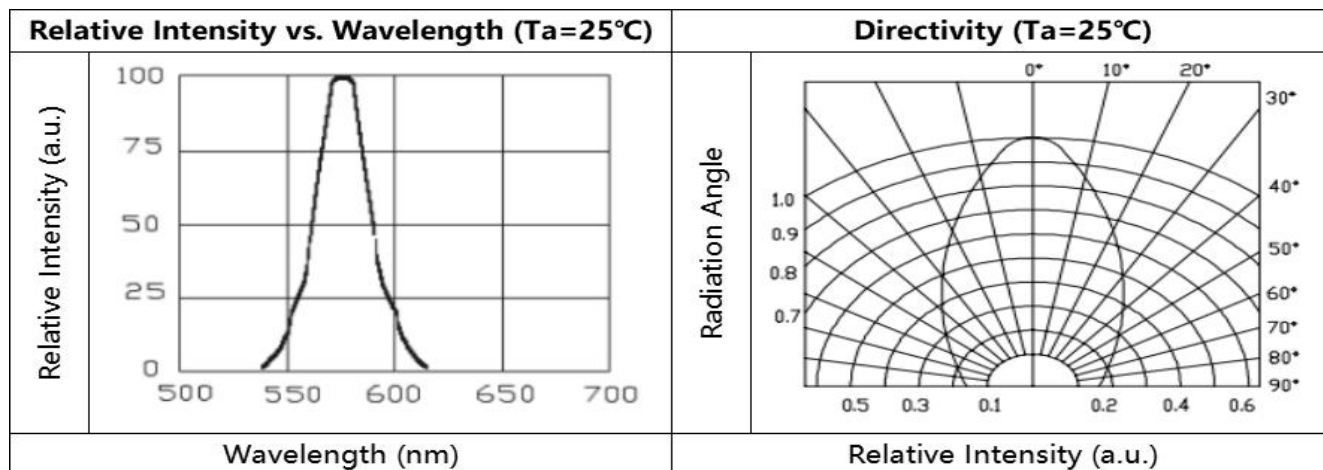
Notes:

1.Luminous intensity: +/-15%.

2.Wavelength: +/-1nm

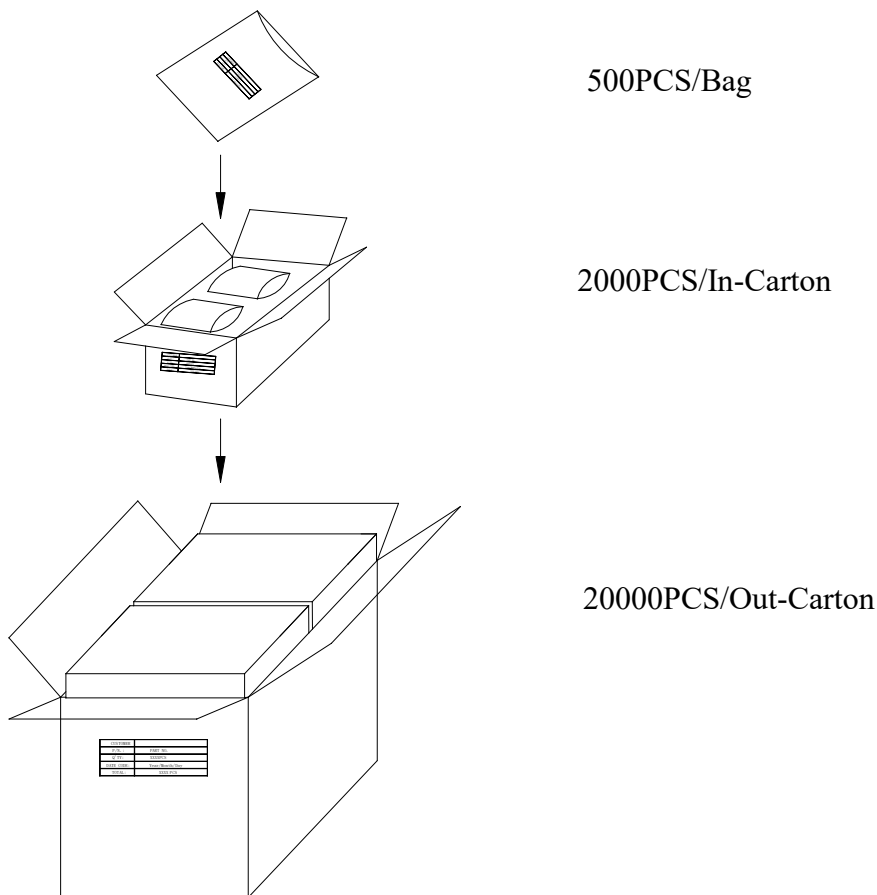
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Typical Electro-Optical Characteristics Curve



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Packing Specification:



	HARVATEK	
CPN:		RoHs
P/N:		
HV-57G3303D-L50		
QTY:		CAT:
		HUE:
LOT NO:		REF:

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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	03-24-2020

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