

**Harvatek International 3.0mm ROUND IR LED LAMP
HV-7IR30WCXH**

Official Product	HV-7IR30WCXH	Customer Part No.		Data Sheet No.
	*****	*****		HV-7IR30WCXH
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	Mar. 07 2017	Version of 1.0	Page 1/7	

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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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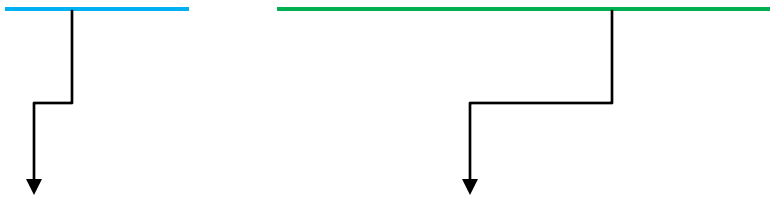
Compliance and Certification

ISO9002, QS9000 and ISO14001 Certified
RoHS Compliant



Orderable Information

H V - 7 IR 30 WC XH

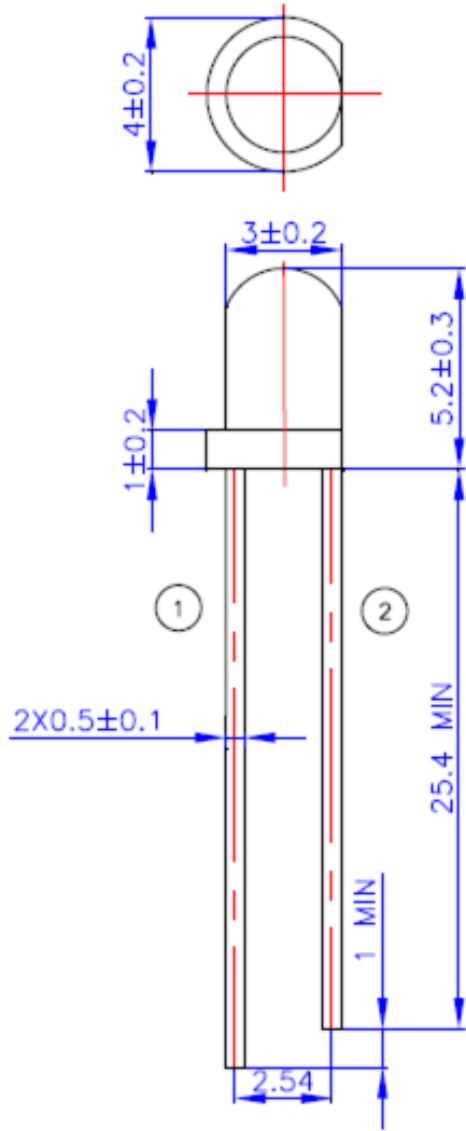


Series Name	Color Code	Remark
HV : HARVATEK	7IR : 3.0mm Round Lamp, 5.2mm Lens. 940nm GaAIAs IR Chip. 30 : Viewing angle 30 deg. WC : Water Clear. XH : HARVATEK Part No.	

Features:

- Stable Color
- Popular 3.0mm through hole package, 5.2mm lens height.
- Water Clear Lens.

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- ① Anode
- ② Cathode

Notes:

- 1.All dimensions are millimeters.
- 2.Tolerance is +/-0.25mm 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	50	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 \cong 5 seconds. *2: Pulse Width \cong 100 μ s and Duty \cong 1% .

Electrical and Optical Characteristic

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20 mA	/	1.2	1.5	V
Reverse Current	I _R	V _R = 5 V	/	/	10	μ A
Luminous Intensity	I _V	I _F =20 mA	4.0	8.0	/	mW/Sr
Viewing Angle	2 θ 1/2	I _F =20 mA	/	30	/	deg
Peak Wavelength	λ_p	I _F =20 mA	/	940	/	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	I _F =20 mA	/	40	/	nm

Notes:

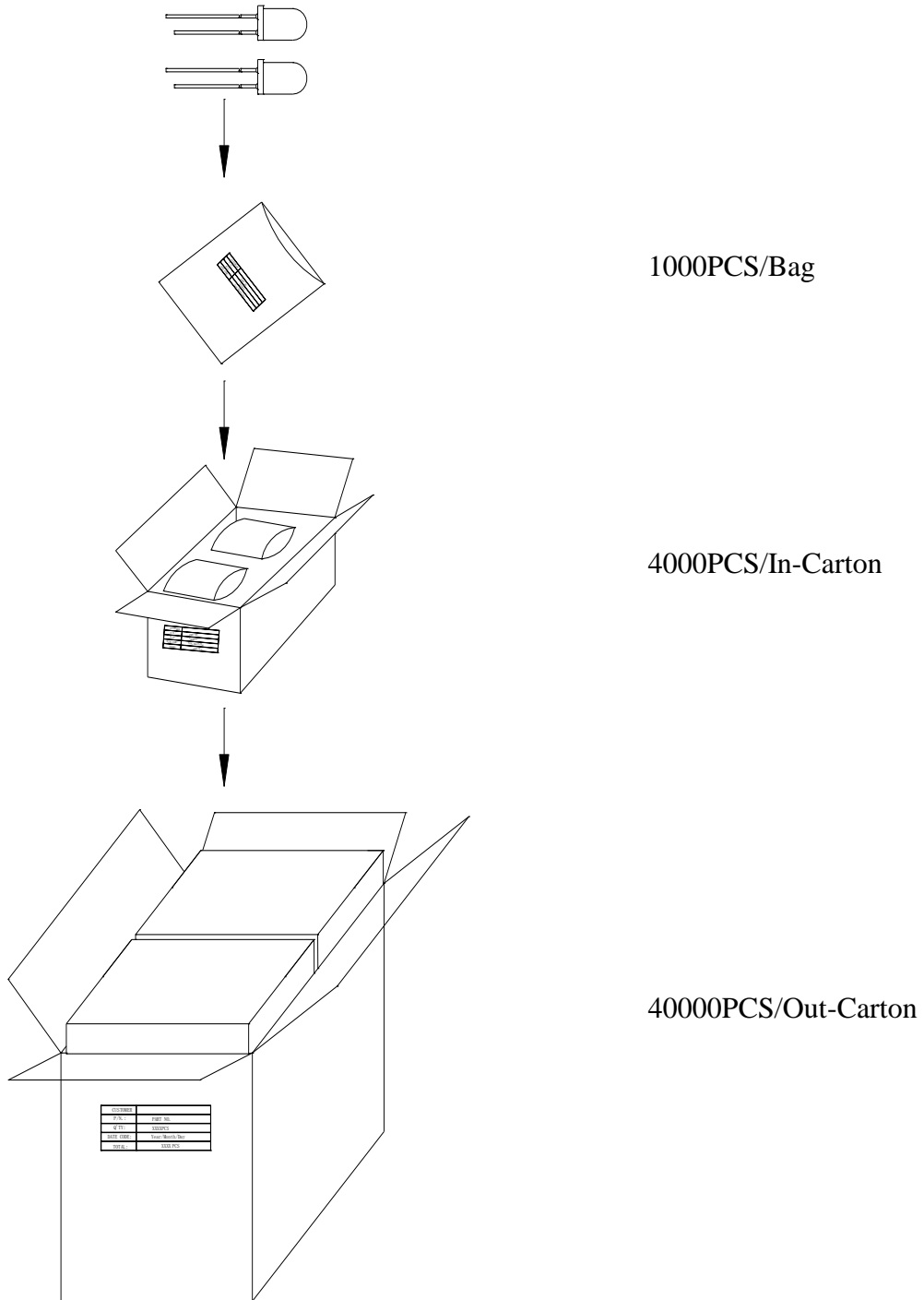
1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

2.Luminous intensity: +/-15%.

3.Wavelength: +/-1nm.

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Packing Specification:



1000PCS/Bag

4000PCS/In-Carton

40000PCS/Out-Carton

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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	03-07-2017

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