

Harvatek 4.7mm Round LED LAMP WITH HOLDER**HV-I8UG60G-MP9AA-U1133**

Official Product	HV-I8UG60G-MP9AA-U1133	Customer Part No.		Data Sheet No.
	*****	*****		HV-I8UG60G-MP9AA-U1133
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		Aug.03.2021	Version of 1.2	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 - I8 UG 60 G - MP9AA - U1133

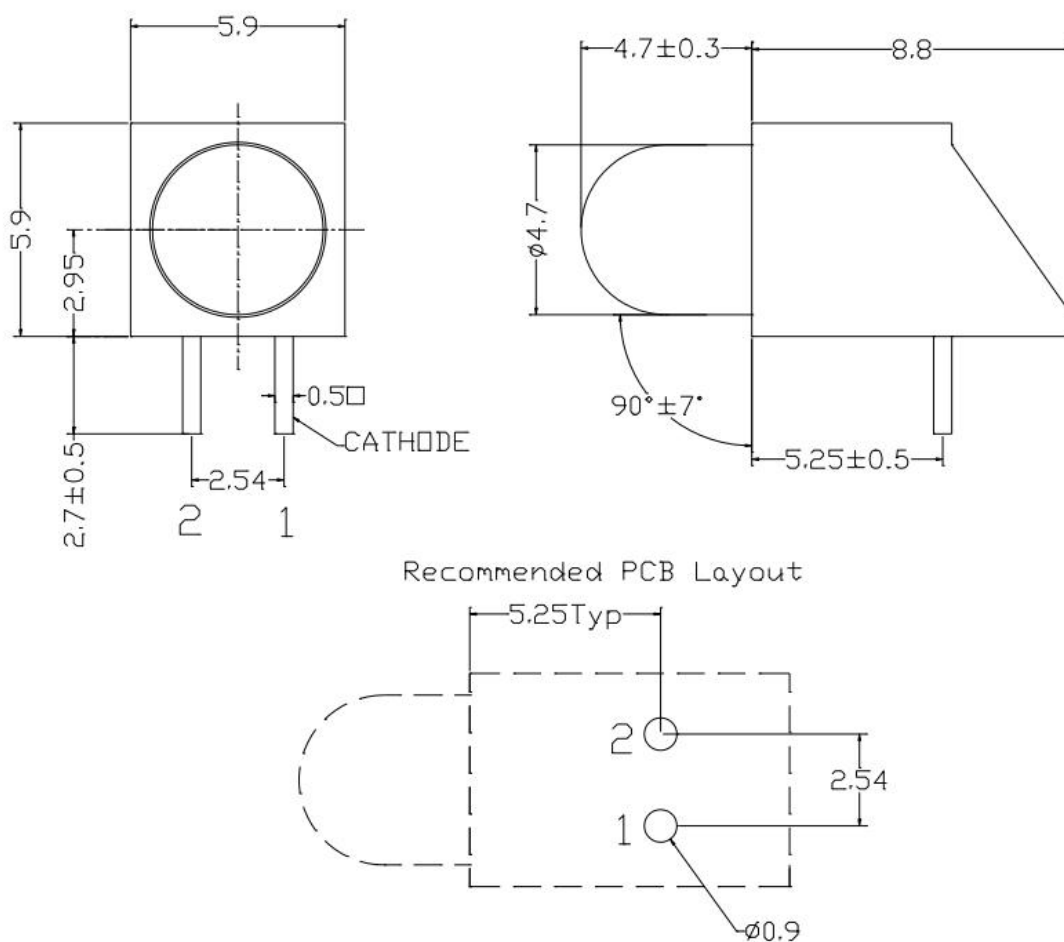
Series Name	Color Code	Remark
HV : HARVATEK	I8UG: 4.7mm Round LED Lamp With Holder. With AlGaInP 572nm Green Chip. 60 : Viewing angle 60 deg. G : HARVATEK Part No. MP9 : Square HOLDER AA : 1 LAMP	U1133: Customer Product Code

Features:

- Stable Color
- Popular 4.7mm through hole package
- Green Diffusedlens

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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	Max.	Unit
Power Dissipation	70	mW
Peak Forward Current (1/10Duty Cycle,0.1ms Pulse width)	100	mA
Continuous Forward Current	30	mA
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature 【2mm From Body】	260°C for 5 Seconds (max.)	

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Electrical and Optical Characteristic

Parameter	Symbol	Min.	Typ.	Max	Unit	Test Condition
Luminous Intensity	I _v	50	130	---	mcd	If=10mA
Viewing Angle	2θ 1/2	---	60	---	Deg	If=20mA
Peak Emission Wavelength	λ _p	---	570	---	nm	If=20mA
Dominant Wavelength	λ _d	---	572	---	nm	If=20mA
Spectral Line Half-Width	Δλ	---	30	---	nm	If=20mA
Forward Voltage	V _f	---	2.0	2.4	V	If=20mA
Reverse Current	I _R	---	---	10	μA	V _R =5V

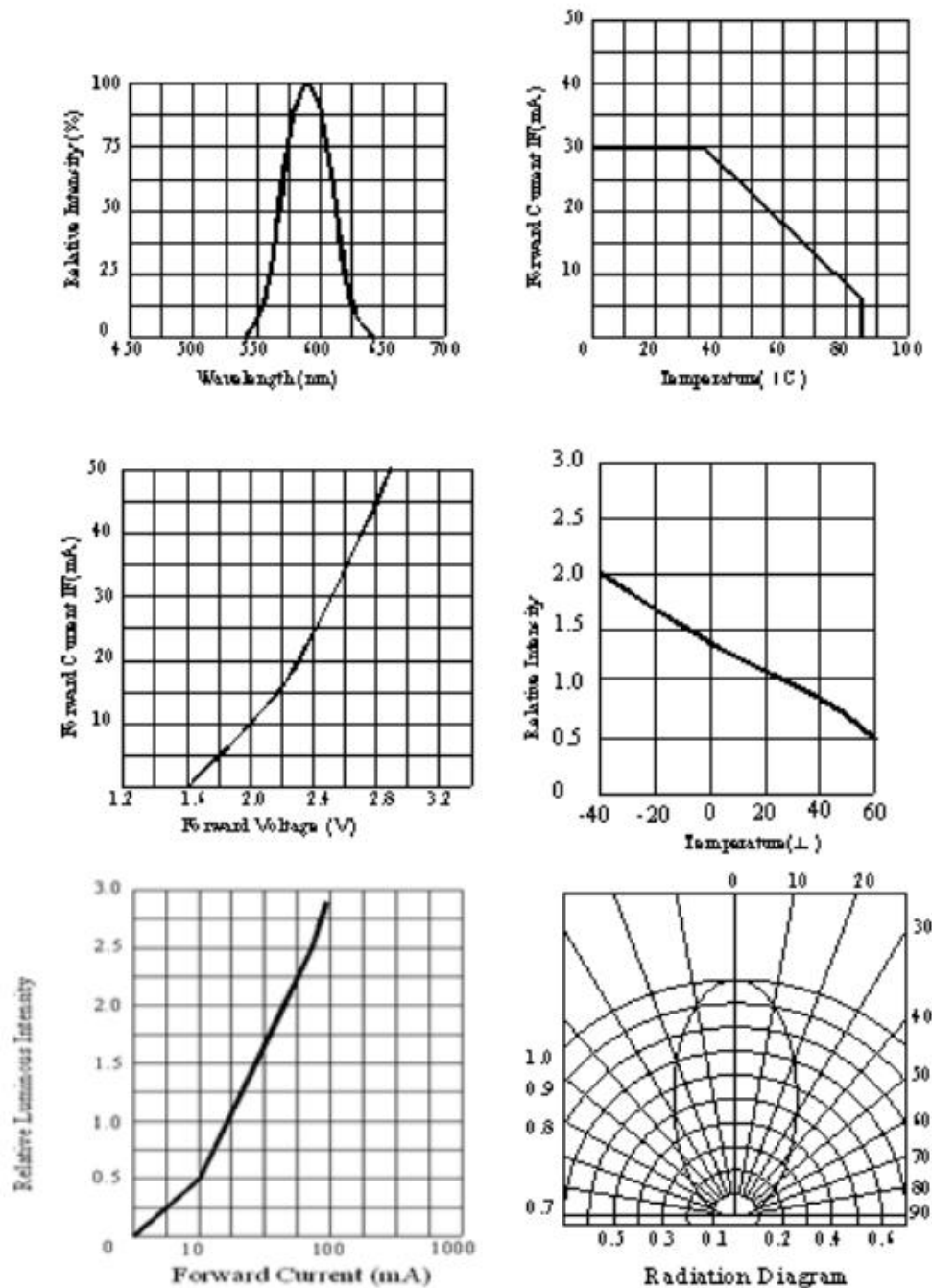
Notes:

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.
4. V_F: ± 0.1V

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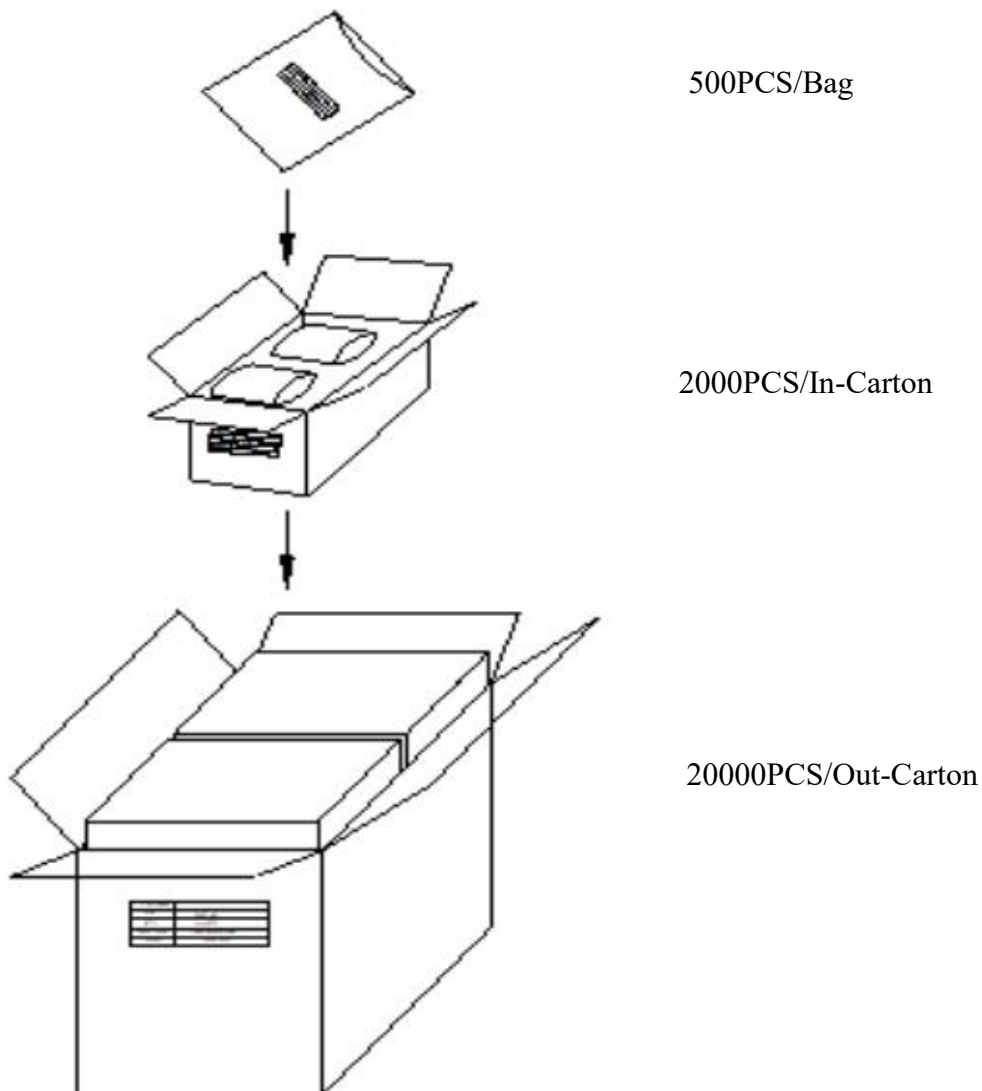
Typical Electro-Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)



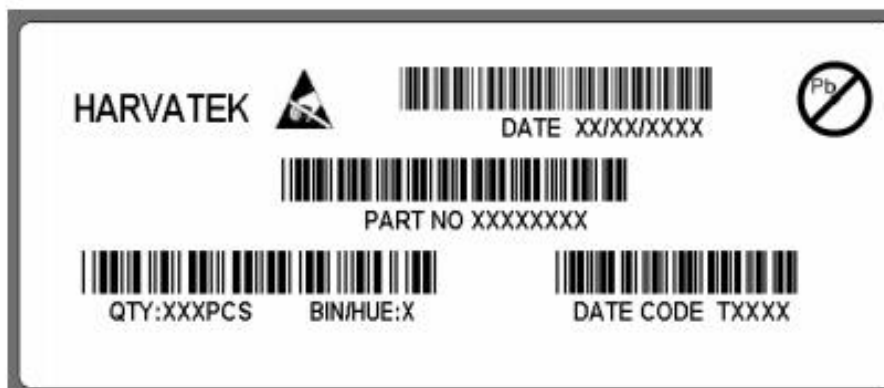
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Packing Specification:



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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	06-13-2018
Change PIN position	4	1.1	06-28-2018
Change the packaging specifications	8	1.2	08-03-2021

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