

Harvatek 7.1*7.8*2.4mm Square LED LAMP**HV-62R5703D**

Official Product	HV-62R5703D	Customer Part No.		Data Sheet No.
	*****	*****		CDAE-010-862
Specifications are subject to change without notice. Data and drawings herein are copyrighted.		May. 23 2020	Version of 1.1	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 - 62 R 5703 D

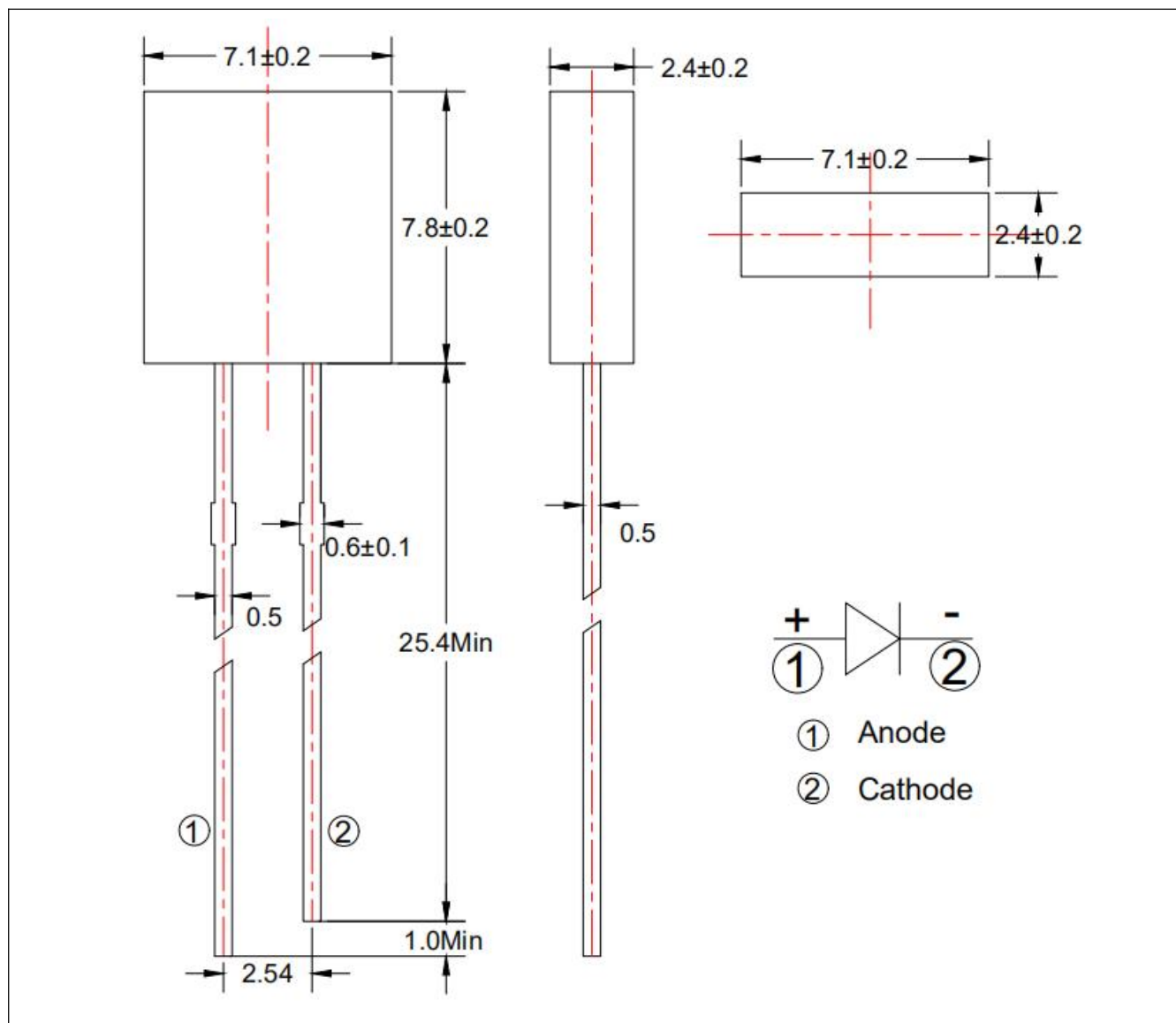
Series Name	Color Code	Remark
HV : HARVATEK	62R5703: 7.1*7.8*2.4mm SQUARE LED LAMP. AlGaInP 622nm Red chip D : Red Diffused	

Features:

- Stable Color
- Popular 7.1mm through hole package, 7.8mm lens height.
- Red 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	Topr	-40to+85	°C
Storage Temperature	Tstg	-40to+100	°C
Soldering Temperature*1	Tsol	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	2.4	V
Reverse Current	I_R	$V_R=5\text{ V}$	/	/	10	μA
Luminous Intensity	I_v	$I_F=20\text{ mA}$	25	75	/	mcd
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{ mA}$	/	150	/	deg
Dominant Wavelength	λ_d	$I_F=20\text{ mA}$	618	625	/	nm
Peak Wavelength	λ_p	$I_F=20\text{ mA}$	625	630	/	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	$I_F=20\text{ mA}$	/	40	/	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.
N	25	50
P	40	80
Q	63	125
R	100	200
S	160	320

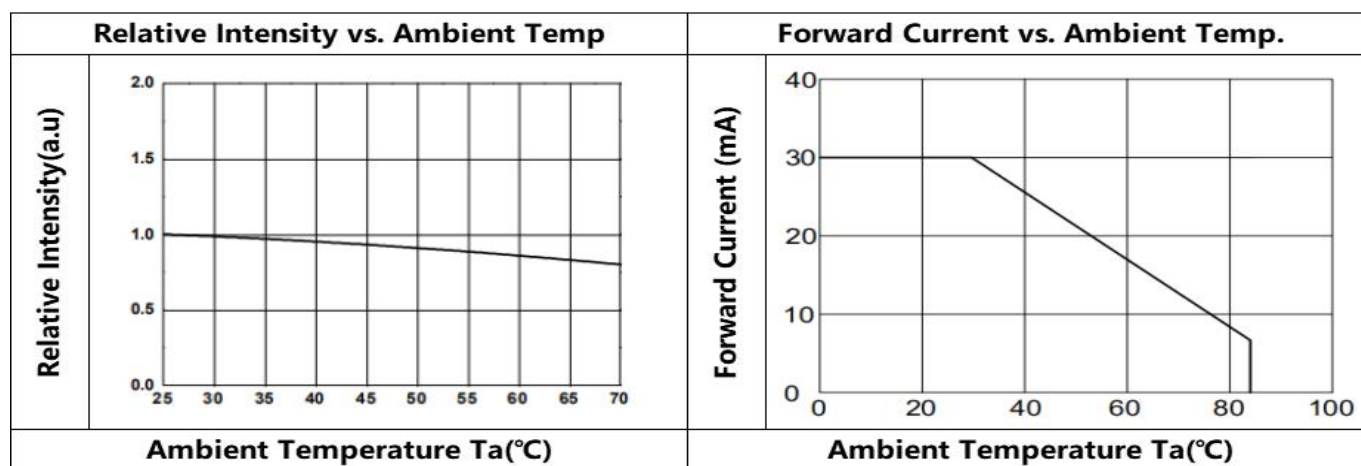
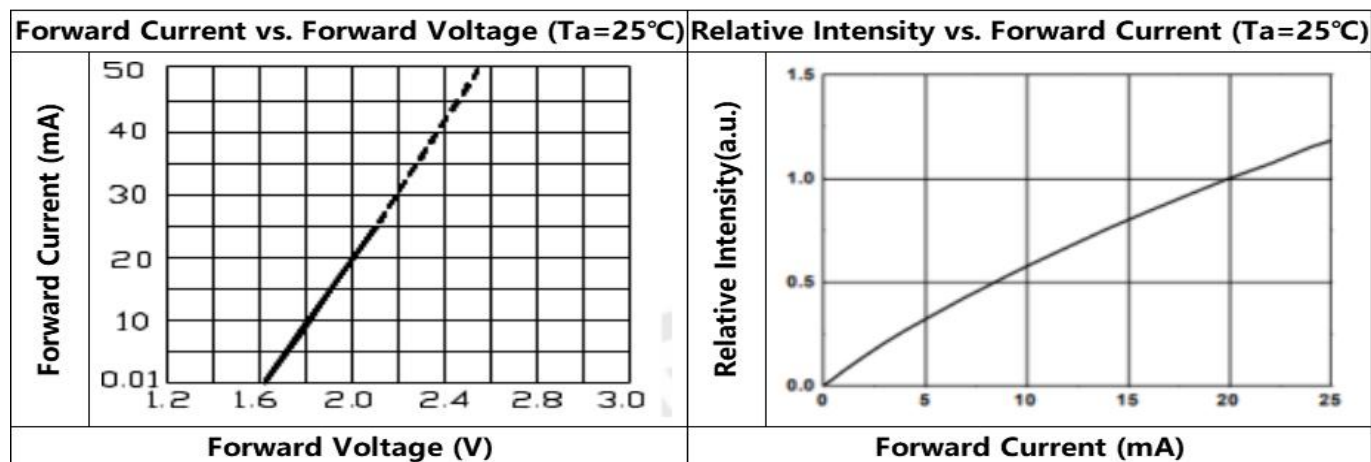
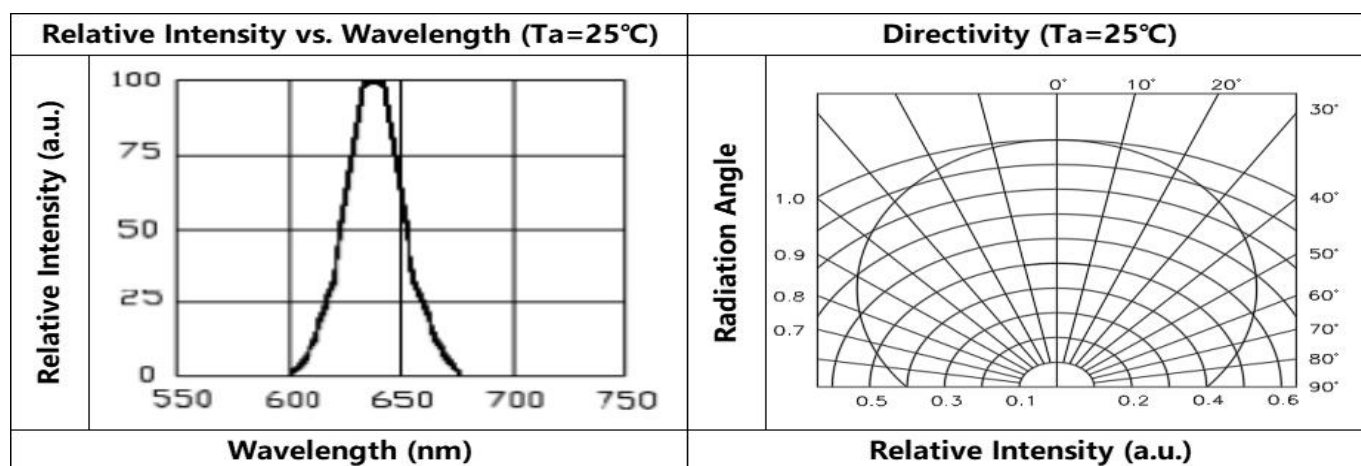
λ_d (nm)		
Grade	Min.	Max.
01	618	621
1	620	623
2	622	625
3	624	627
4	626	629
5	628	631

Notes:

- 1.Luminous intensity: +/-15%.
- 2.Wavelength: +/-1nm.

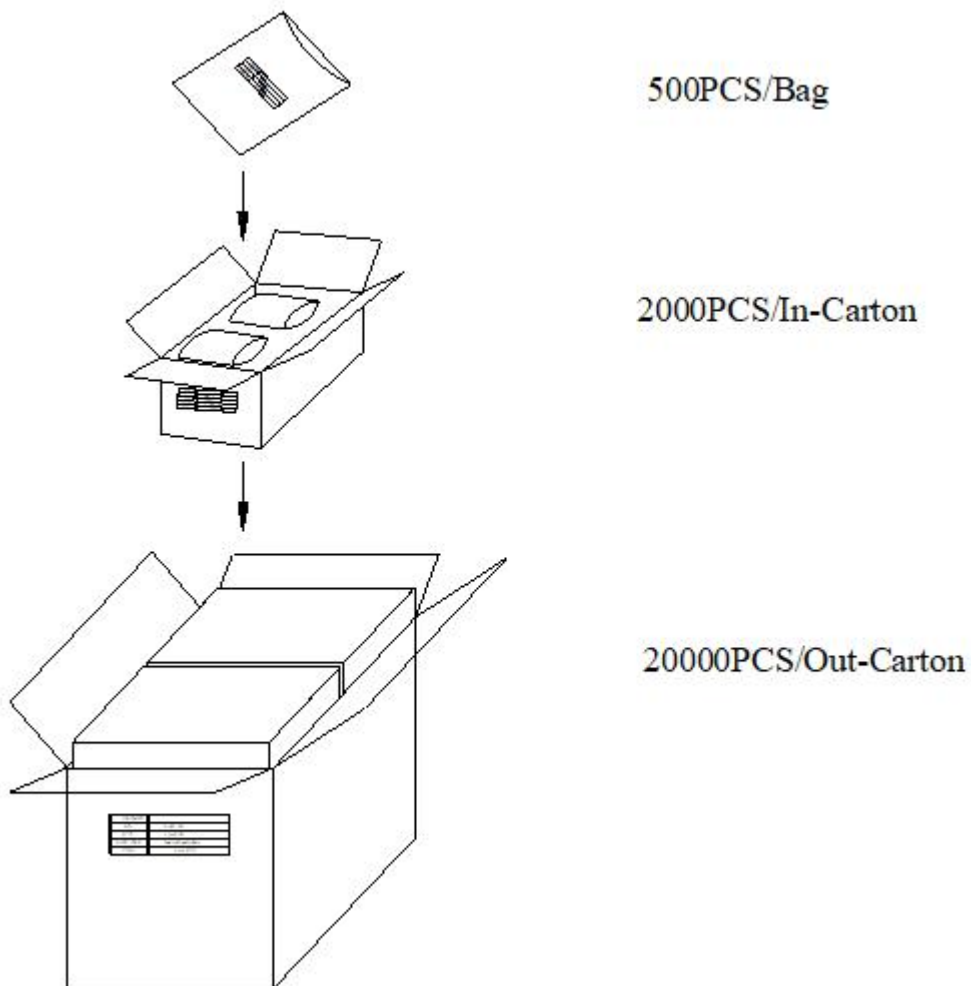
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Typical Electro-Optical Characteristics Curves



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Packing Specification:



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Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	05-13-2020
Revision of drawings		1.1	05-23-2020

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