

Harvatek 3.0mm Round LED LAMP with Holder**HV-C7NGUY80H-MP9CA**

Official Product	HV-C7NGUY80H-MP9CA	Customer Part No.	Data Sheet No.
	*****	*****	HV-C7NGUY80H-MP9CA
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	Dec. 27. 2018	Version of 1.3	Page 1/10

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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

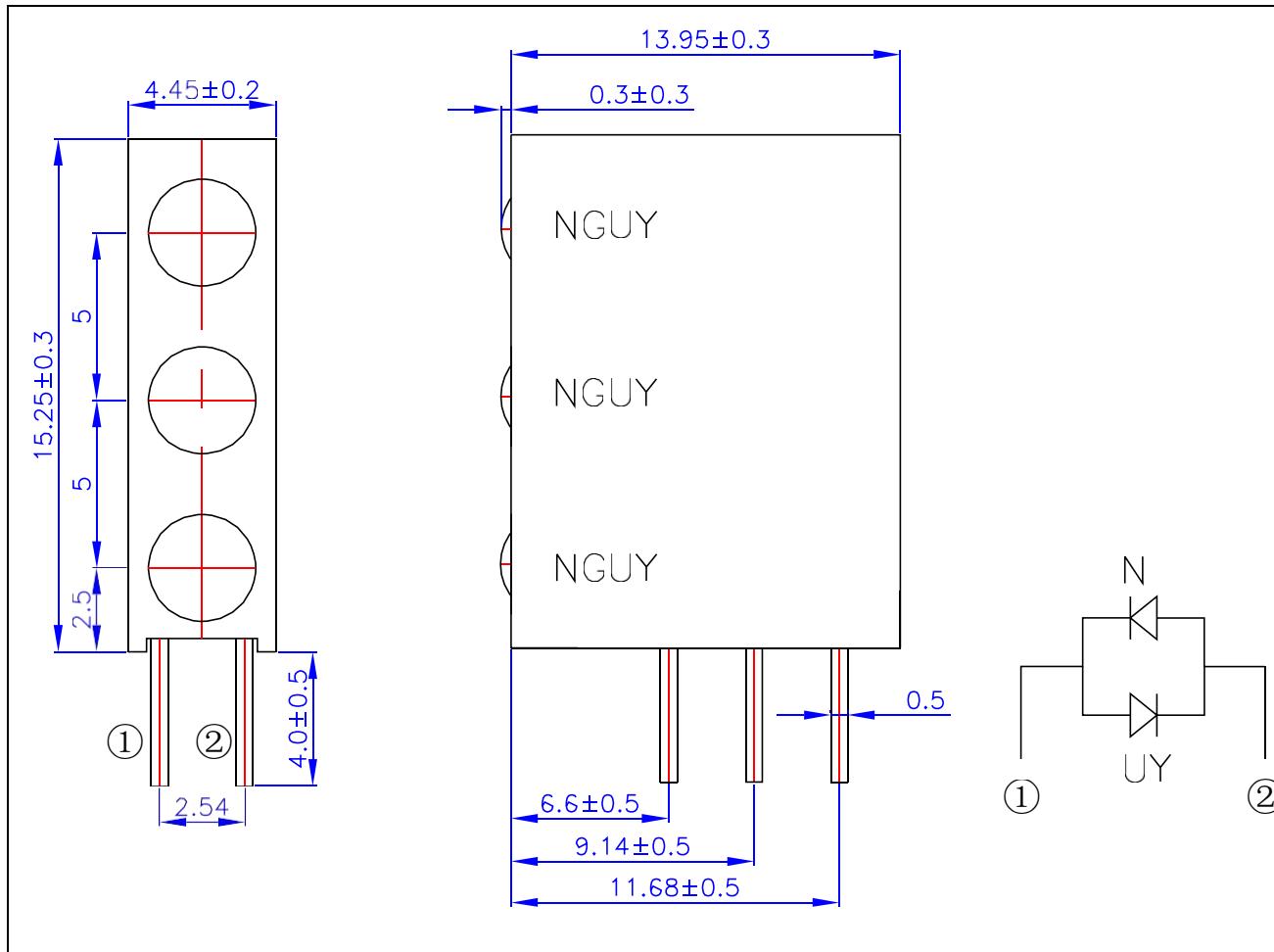
H V - C7 NG UY 80 H - MP9 C A

Series Name	Color Code	Remark
HV : HARVATEK	C7NGUY : 3.0mm Round LED Lamp With Holder. With GaInN 522 nm Green Chip & AlGaInP 590 nm Yellow Chip. 80 : Viewing angle 80 deg. H : HARVATEK Part No. MP9 : Square HOLDER. CA : 3 LAMP	

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Features:

- Stable Color.
- Popular 3.0mm through hole package.
- White Diffused lens.
- Holder UL rating:94V-0.

**Notes:**

1. All dimensions are millimeters.
2. Tolerance is +/-0.25mm unless otherwise noted.
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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: Pulse Width \leq 100 μ s and Duty \leq 1% .

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Electrical and Optical Characteristic

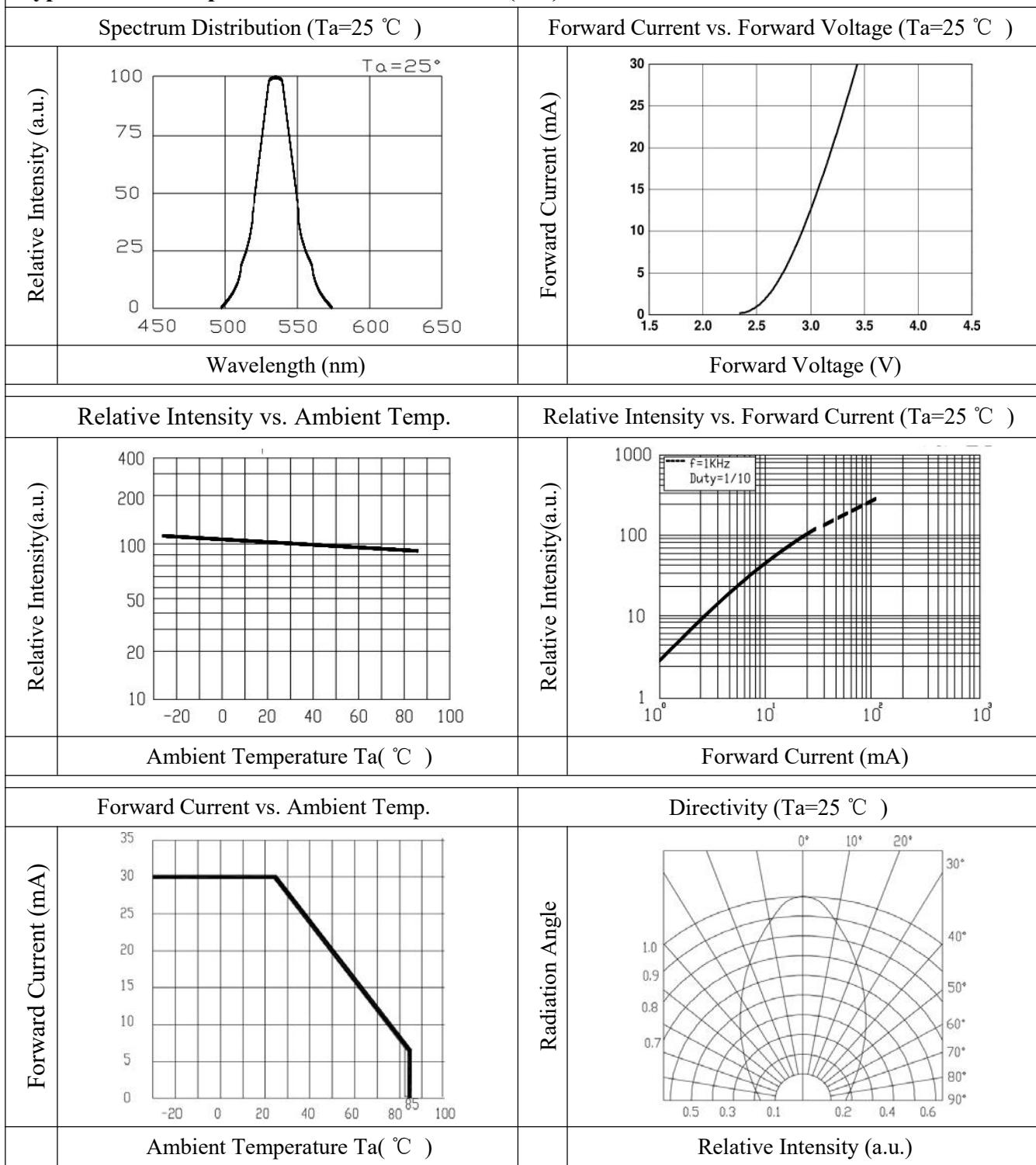
Parameter	Symbol	Condition		Min.	Typ.	Max.	Unit
Forward Voltage	VF	IF=20 mA	NG	/	2.7	3.0	V
			UY		2.0	2.5	
Reverse Current	IR	VR= 5 V		/	/	10	µA
Luminous Intensity	IV	IF=20 mA	NG	176	500	1500	mcd
			UY	60	100	450	
Viewing Angle	2θ1/2	IF=20 mA		/	80	/	deg
Peak Wavelength	λρ	IF=20 mA	NG	/	520	/	nm
			UY	/	592	/	
Dominant Wavelength	λd	IF=20 mA	NG	517	522	525	nm
			UY	585	590	595	
Spectrum Radiation Bandwidth	Δλ	IF=20 mA		/	25	/	nm

NG						UY					
IV:	Min	Max	λd:	Min	Max	IV:	Min	Max	λd:	Min	Max
T	275	450	1	517	519	Q	60	112	1	585	587
U	440	720	2	519	521	R	110	180	2	587	589
V	695	1125	3	521	523	S	176	288	3	589	591
W	1100	1500	4	523	525	T	275	450	4	591	593
									5	593	595

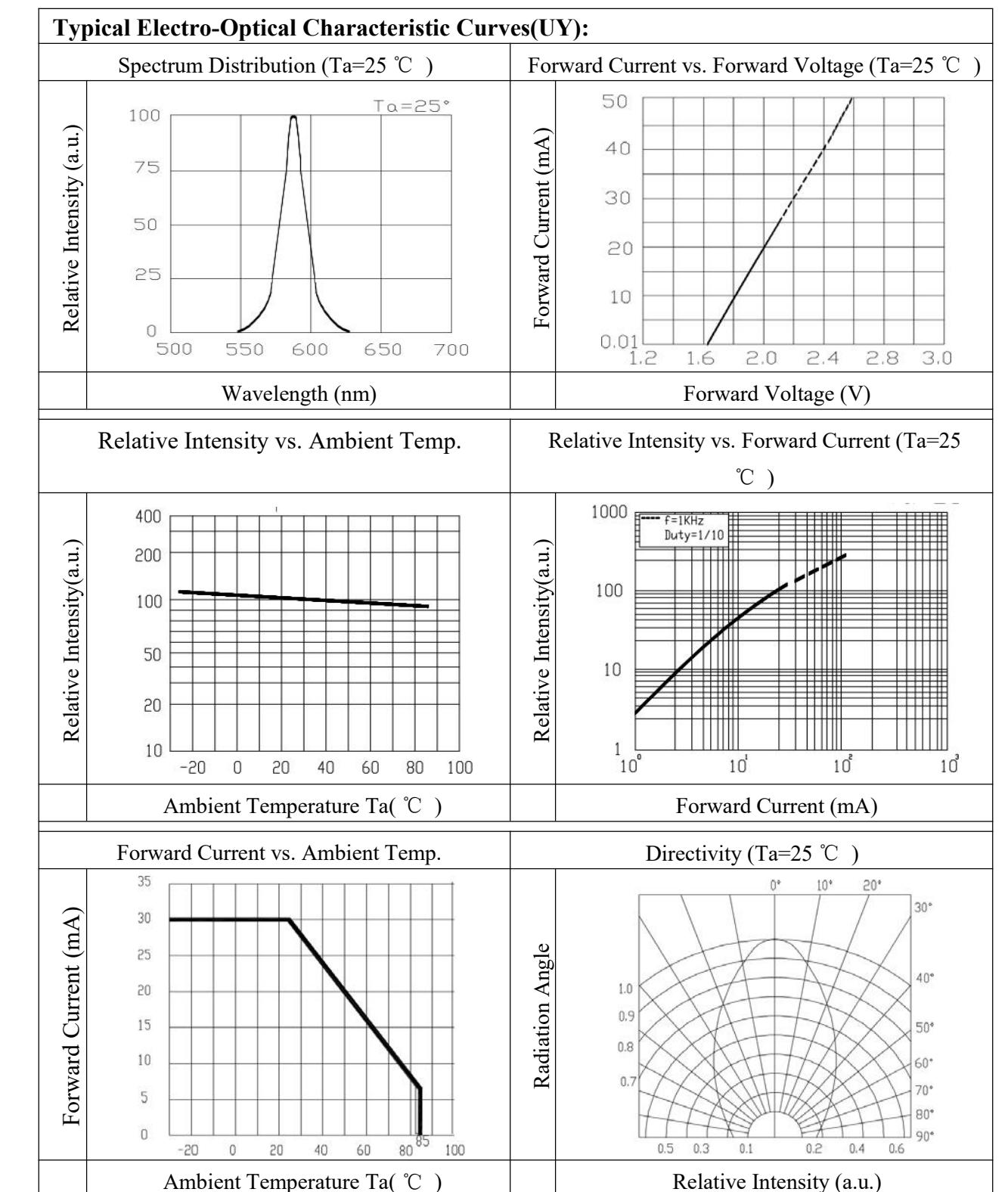
Notes:

- 1.θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
- 2.Luminous intensity: +/-15%.
- 3.Wavelength: +/-1nm.

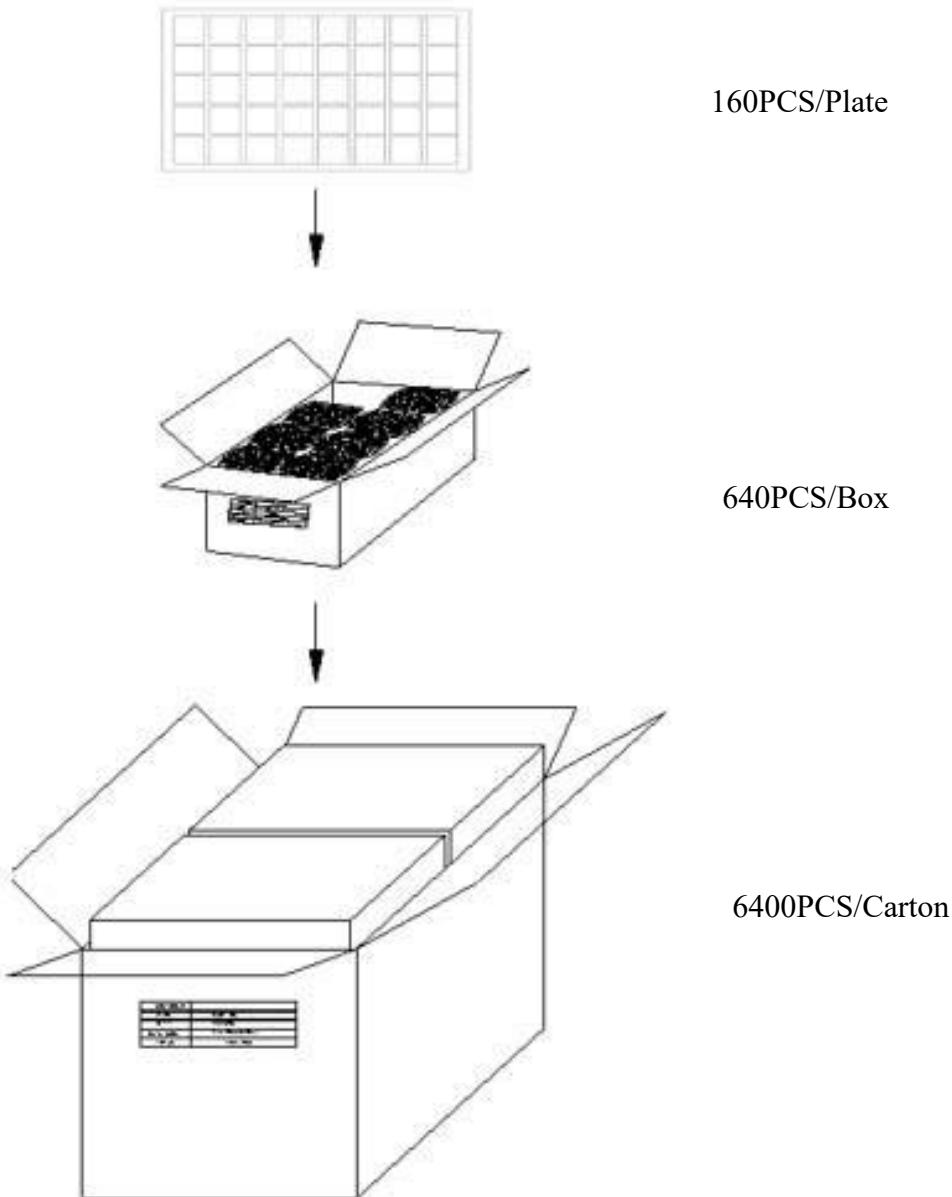
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Typical Electro-Optical Characteristic Curves(NG):


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	*****	*****	HV-C7NGUY80H-MP9CA
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	Dec. 27. 2018	Version of 1.3	Page 7/10

Typical Electro-Optical Characteristic Curves(UY):


Official Product	HV-C7NGUY80H-MP9CA	Customer Part No.	Data Sheet No.
	*****	*****	HV-C7NGUY80H-MP9CA
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	Dec. 27. 2018	Version of 1.3	Page 8/10

Packing Specification:

Official Product	HV-C7NGUY80H-MP9CA	Customer Part No.	Data Sheet No.
	*****	*****	HV-C7NGUY80H-MP9CA
Specifications are subject to change without notice. Data and drawings herein are copyrighted.	Dec. 27. 2018	Version of 1.3	Page 9/10

Revision History

Revision	Page	Version No.	Revision Date
Initial Release		1.0	07-26-2018
Size update	4	1.1	09-06-2018
Change packaging	9	1.2	12-05-2018
Increase arson rating	4	1.3	12-27-2018

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