Inolux 3mm Round Lamp with Triple Level Housing
HHT3XX60C Series

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LIFE SUPPORT POLICY

INOLUX's products are not authorized for use as critical components in life support devices or systems without the express written approval of the President of INOLUX or INOLUX INTERNATIONAL. As used herein:

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.

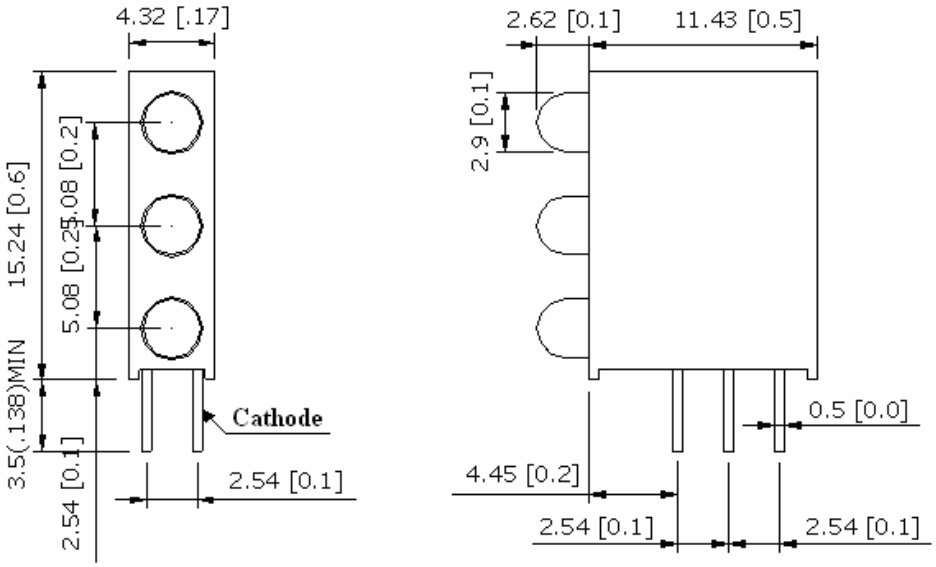
Orderable Information

H H T 3 X X 6 0 C - Y Y Y Y

Series Name	Color Code	VA	Housing Type	Customer Code
HHT= Inolux Through Hole with Triple Level Housing	**3YG =** 565nm GaP Yellow Green **3Y =** 590nm GaP Yellow **3A =** 605nm GaAsP Amber **3LR =** 700nm GaP Ultra Red	**60 =** 60°	**C=** Type C Housing *See Page 4 for Detail Drawing	**YYYY =** Customer code

Features:

- Low Power Consumption
- 3mm Lamp
- Color Diffused lens
- Easy to assembly

Type C Housing	

-All Dimensions are in millimeters

-Tolerance = +/- 0.25mm

Absolute Maximum Ratings at Ta=25C

Parameter	Symbol	GaP/GaAsP Material	Unit
Power Dissipation	P_d	78	mW
Reverse Voltage	V_r	5	V
Forward Current	I_F	30	mA
Reverse Current	I_r	10	µA
Peak Current (1/10 Duty Cycle, 0.1ms pulse width)	I_F (Peak)	100	mA
Operating Temperature Range	T_{opr}	-40 to +80	° C
Storage Temperature Range	T_{stg}	-40 to +85	° C
Lead Soldering Temp	T_{sol}	260	° C

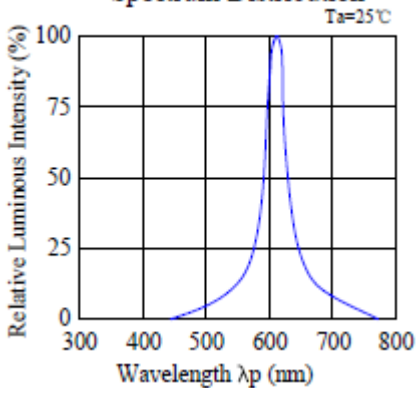
Electrical and Optical Characteristic (@ 25 degree C)

Parameter	Amber	Yellow Green	Yellow	Ultra Red	Test Condition
Luminous Intensity:					
Min (mcd)	30	20	20	3	If=20mA
Typ (mcd)	50	32	32	5	If=20mA
Forward voltage (Vf)					
Typ	2.0	2.2	2.2	2.2	If=20mA
Max	2.6	2.6	2.6	2.6	If=20mA
Dominant Wavelength (nm)	605	570	590	700	If=20mA
Viewing angle	60	60	60	60	If=20mA

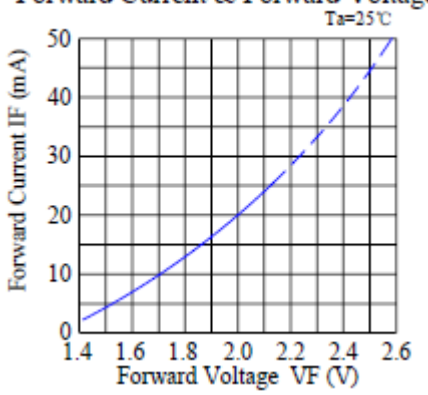
- Brightness tolerance = +/- 10%

Characteristic Curves for Amber (A)

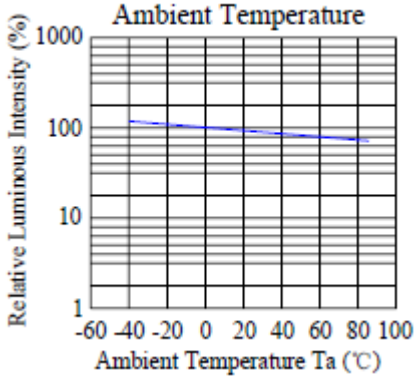
Spectrum Distribution



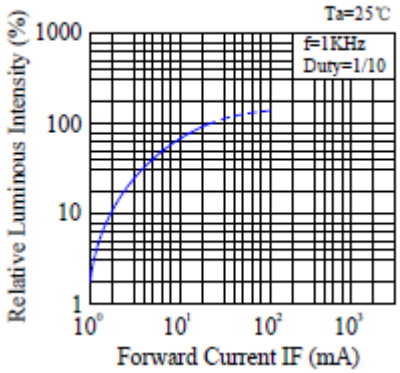
Forward Current & Forward Voltage



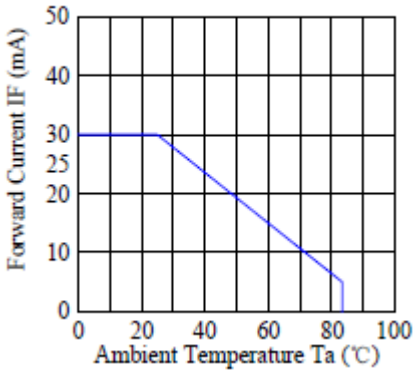
Luminous Intensity & Ambient Temperature



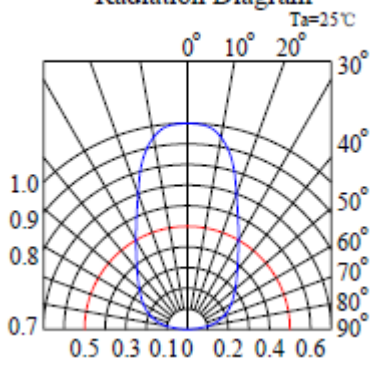
Luminous Intensity & Forward Current



Forward Current Derating Curve

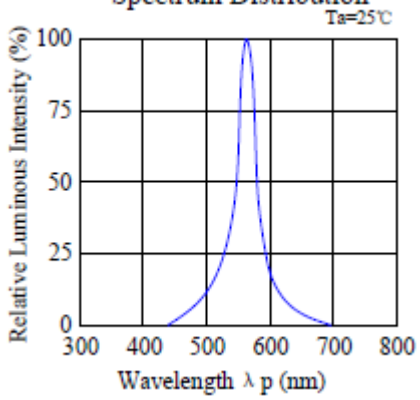


Radiation Diagram

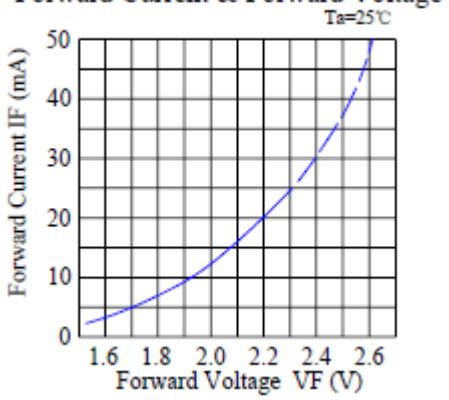


Characteristic Curves for Yellow Green (YG)

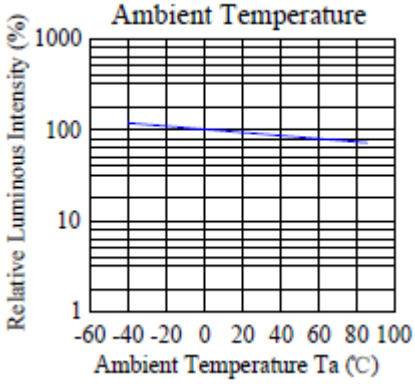
Spectrum Distribution



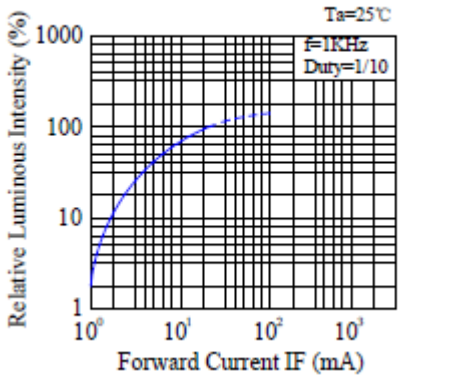
Forward Current & Forward Voltage



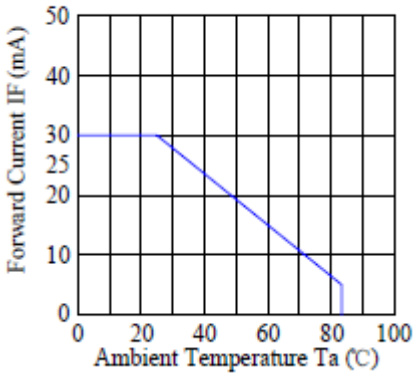
Luminous Intensity & Ambient Temperature



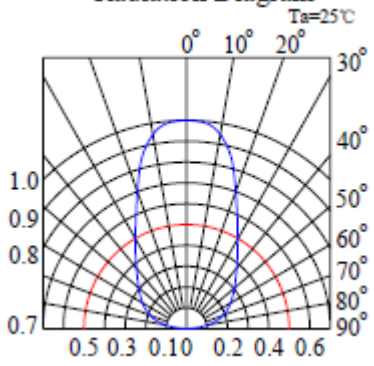
Luminous Intensity & Forward Current



Forward Current Derating Curve

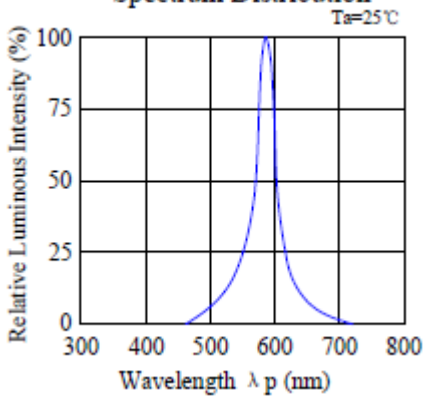


Radiation Diagram

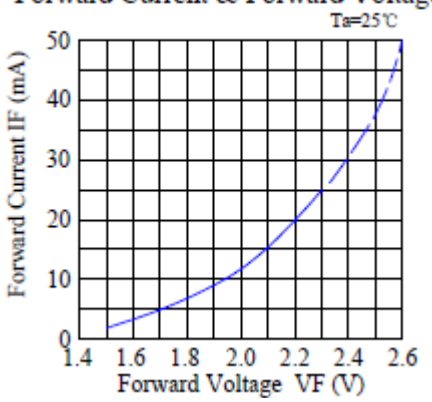


Characteristic Curves for Yellow (Y)

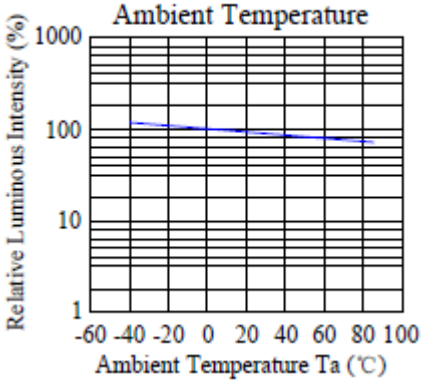
Spectrum Distribution



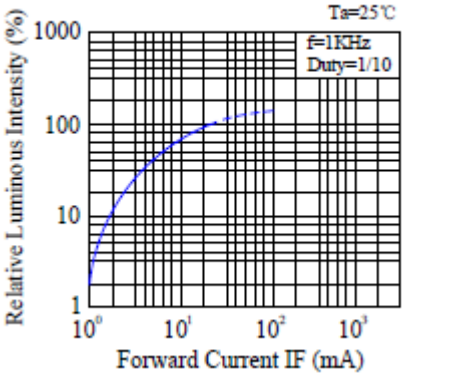
Forward Current & Forward Voltage



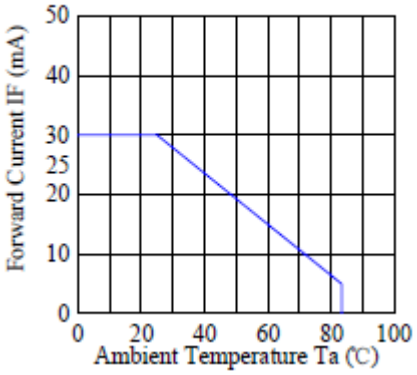
Luminous Intensity & Ambient Temperature



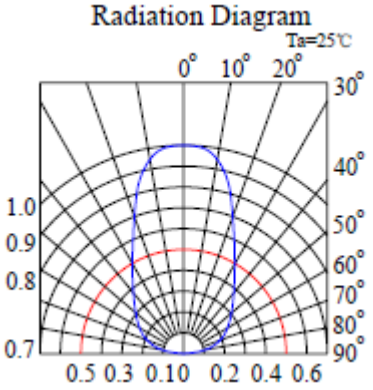
Luminous Intensity & Forward Current



Forward Current Derating Curve

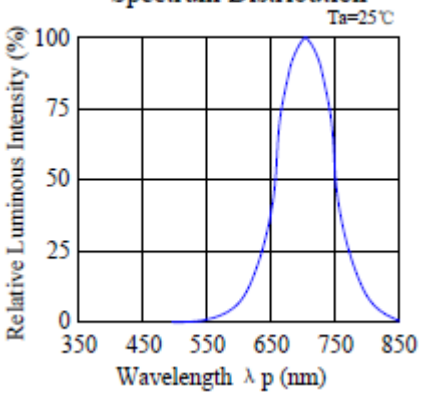


Radiation Diagram

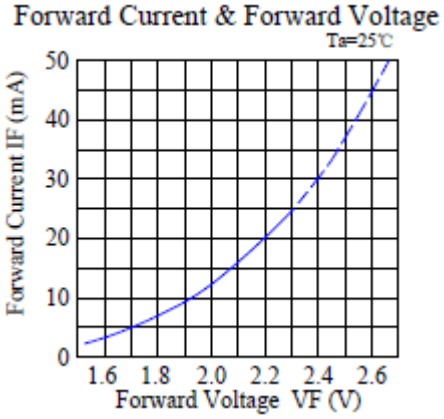


Characteristic Curves for Ultra Red LR)

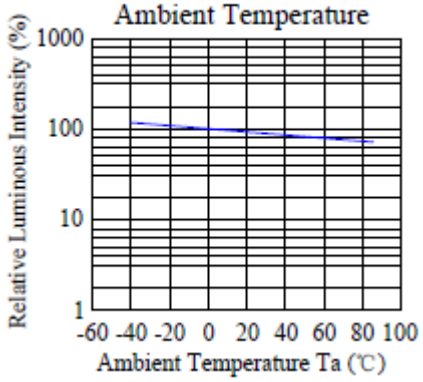
Spectrum Distribution



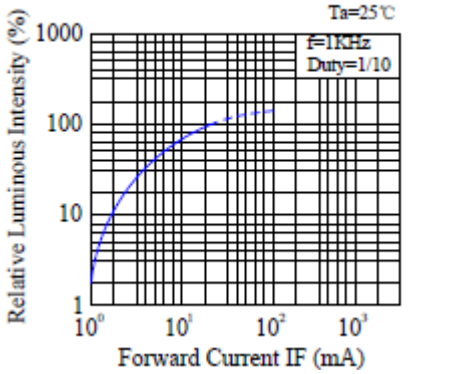
Forward Current & Forward Voltage



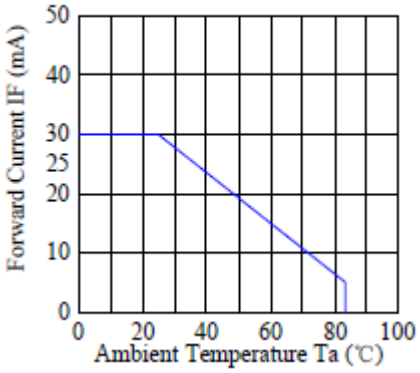
Luminous Intensity & Ambient Temperature



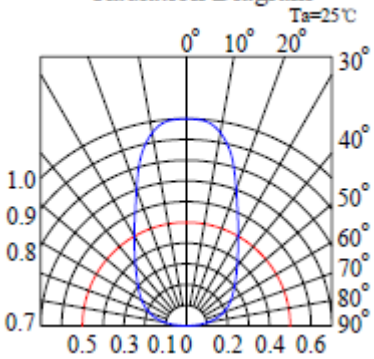
Luminous Intensity & Forward Current



Forward Current Derating Curve



Radiation Diagram



Revision History

Changes since last revision	Page	Version No.	Revision Date
Initial release for 3mm Triple Level Housing		1.0	06-28-2013