

Features

- Low power consumption
- High Efficiency
- 5 mm Lamp
- Easy to assembly
- White Diffused lens
- Good control and free combinations on the colors of Lamps
- Compliance with EU REACH
- The product itself remain within RoHS compliant version

Applications

- Communication
- Industry
- Computer

Description

- CBI (Circuit Board Indicator) is a black plastic right angel holder (Housing).
- CBI (Circuit Board Indicator) is available in a wide variety of packages, including top-view (Spacer) or right angle and horizontal or vertical arrays which is stackable and easy to assembly.

Package Dimensions in mm

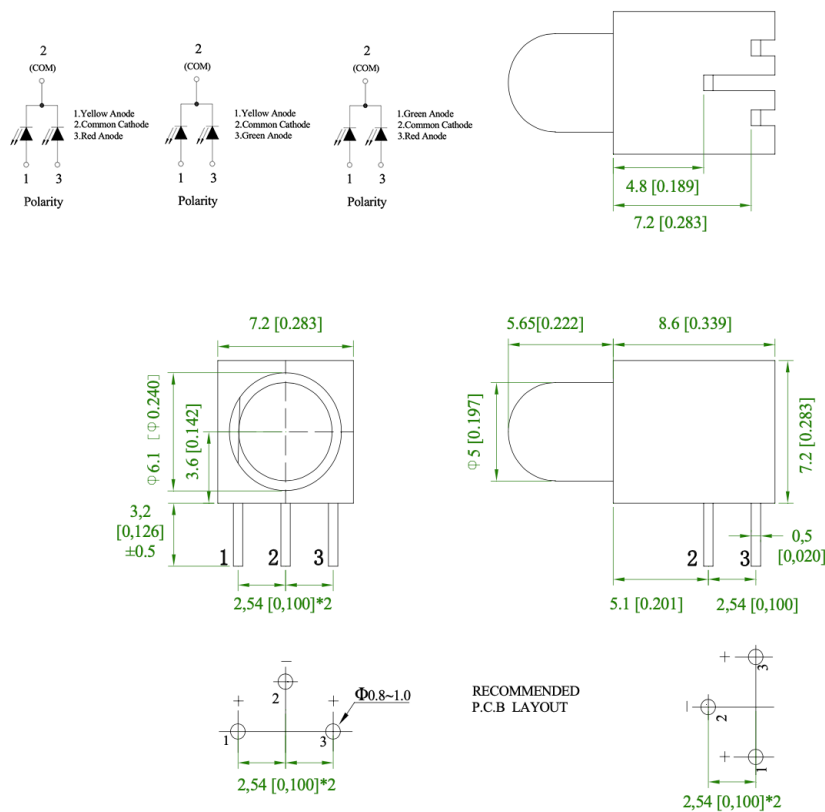


Figure 1. INH-5SWUXX60 series Package Dimensions

Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 mm (.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm (.039") max.

Absolute Maximum Rating at 25°C

Product	Emission Color	P _d (mW)	I _F (mA)	I _{FP} * (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
INH-5SWUYGY60	Yellow Green	65	25	100	5	-40°C~+80°C	-40°C~+85°C
	Yellow	65	25	100	5	-40°C~+80°C	-40°C~+85°C
INH-5SWURYG60	Red	65	25	100	5	-40°C~+80°C	-40°C~+85°C
	Yellow Green	65	25	100	5	-40°C~+80°C	-40°C~+85°C
INH-5SWURY60	Red	65	25	100	5	-40°C~+80°C	-40°C~+85°C
	Yellow	65	25	100	5	-40°C~+80°C	-40°C~+85°C

Notes

1. Derate linearly as shown in derating curve.
2. Duty Factor = 10%, Frequency = 1kHz.

Electrical and Optical Characteristic (@ 25°C)

Product	Emission Color	I _F (mA)	V _F (V)		λ(nm)			Viewing Angle	I _v [*] (mcd)	
			min	max	λ _D	λ _P	Δλ	2θ1/2	min	typ.
INH-5SWUYGY60	Yellow Green	20	1.6	2.6	571	565	20	60	13	30
	Yellow	20	1.6	2.6	588	590	35	60	9	20
INH-5SWURYG60	Red	20	1.6	2.6	630	645	45	60	9	20
	Yellow Green	20	1.6	2.6	571	565	20	60	13	30
INH-5SWURY60	Red	20	1.6	2.6	630	645	45	60	9	20
	Yellow	20	1.6	2.6	588	590	35	60	9	20

Notes

- Brightness tolerance = +/- 10%
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2 θ 1/2 is the o-axis angle where the luminous intensity is 1/2 the peak intensity.
- The dominant wavelength (λ_D) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

ESD Precaution

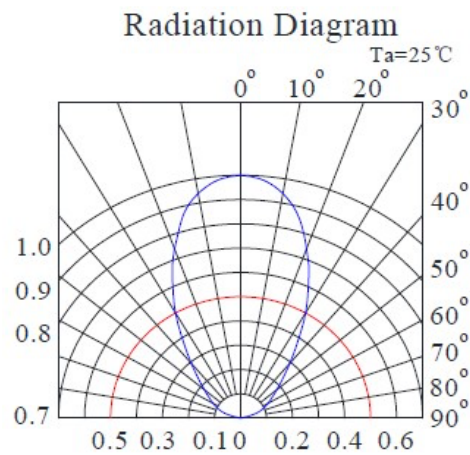
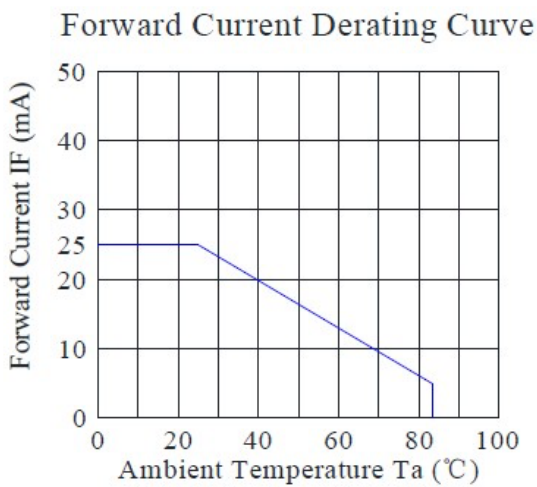
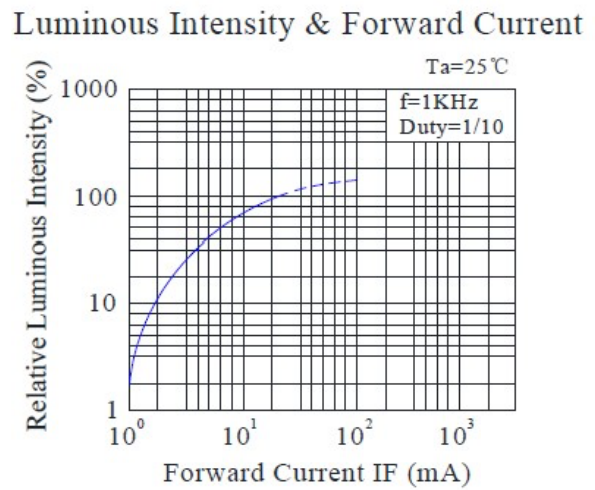
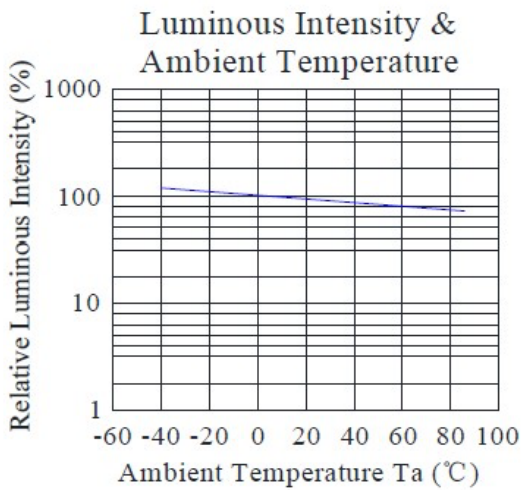
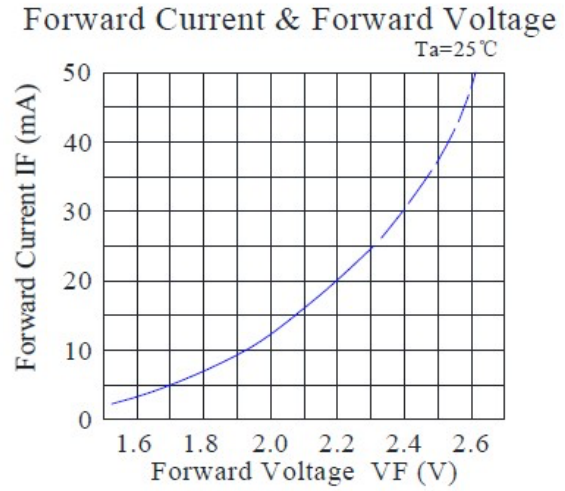
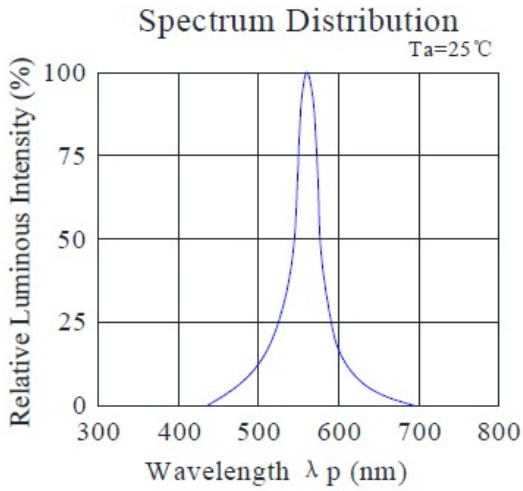
ATTENTION: Electrostatic Discharge (ESD) protection



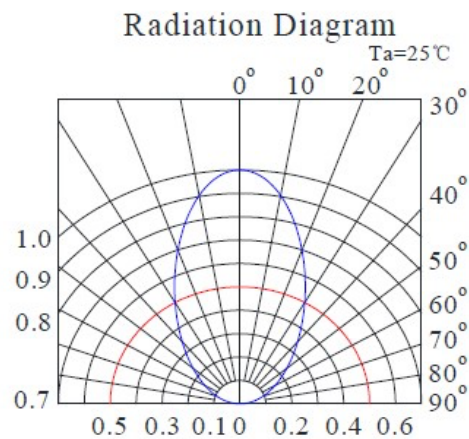
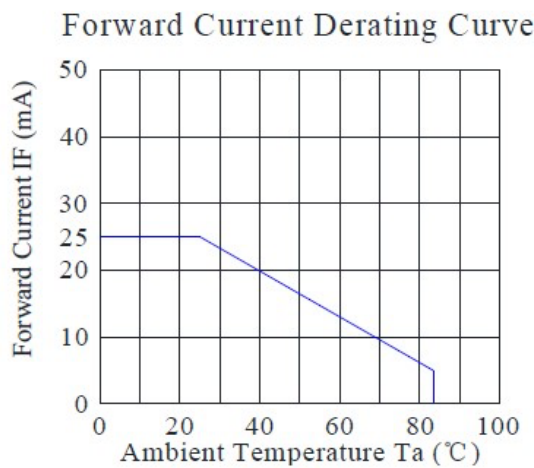
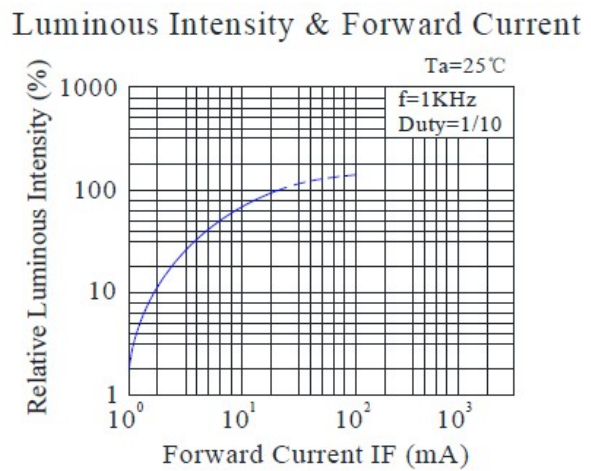
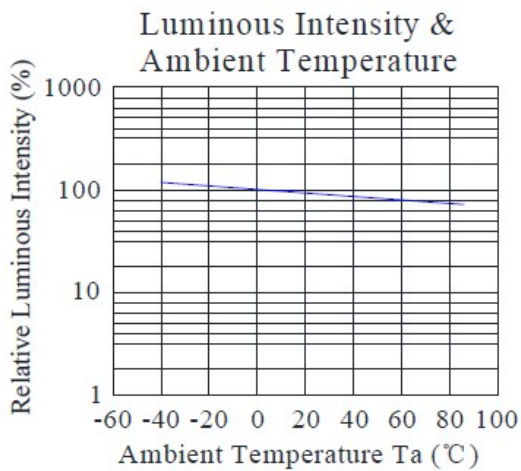
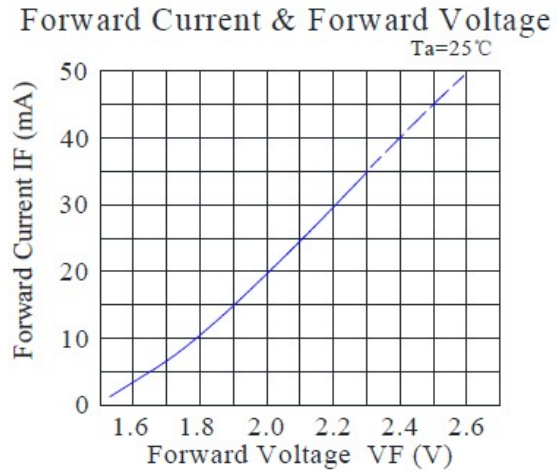
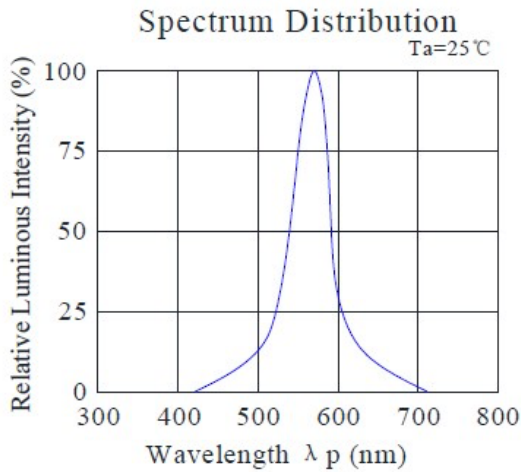
The symbol above denotes that ESD precaution is needed. ESD protection for GaP and AlGaAs based chips is necessary even though they are relatively safe in the presence of low static-electric discharge. Parts built with AlInGaP, GaN, or/and InGaN based chips are STATIC SENSITIVE devices. ESD precaution must be taken during design and assembly. If manual work or processing is needed, please ensure the device is adequately protected from ESD during the process.

Please be advised that normal static precautions should be taken in the handling and assembly of this device to prevent damage or degradation which may be induced by electrostatic discharge (ESD).

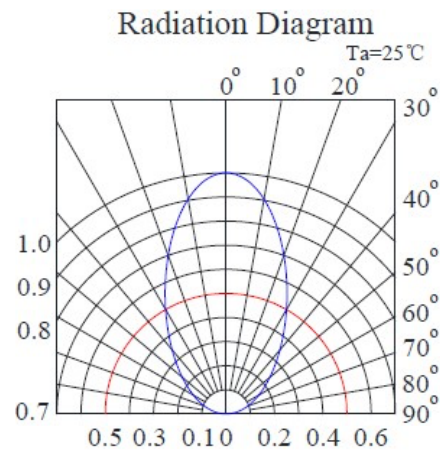
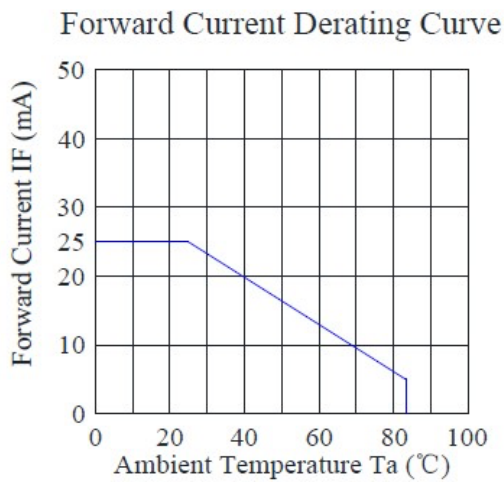
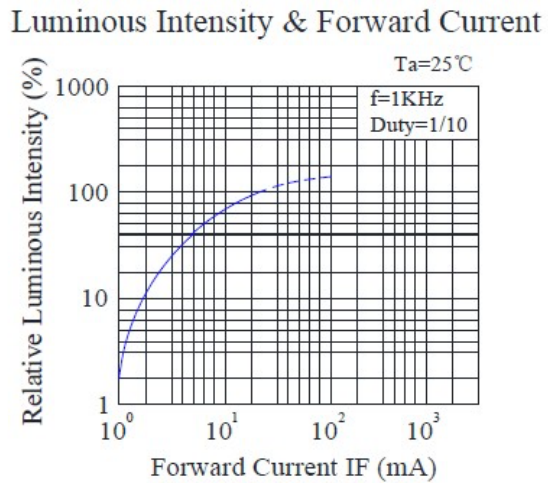
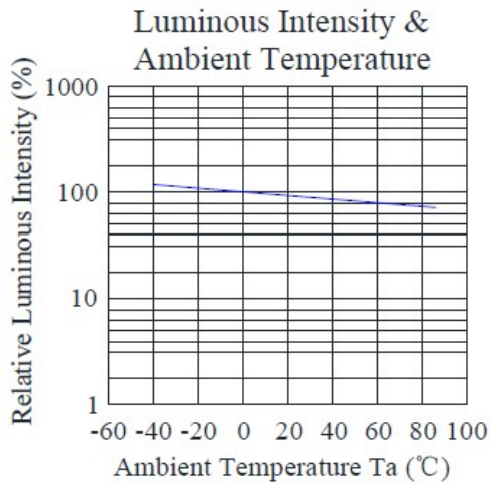
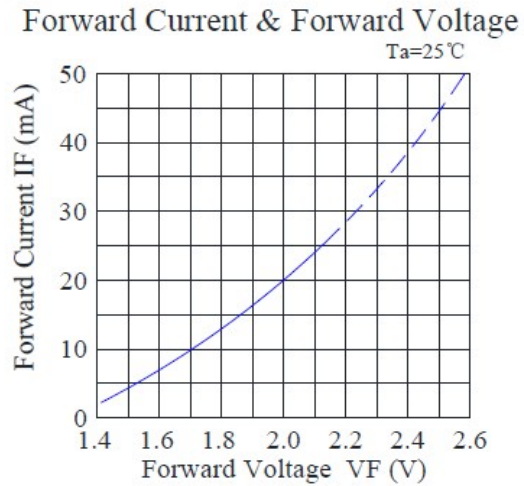
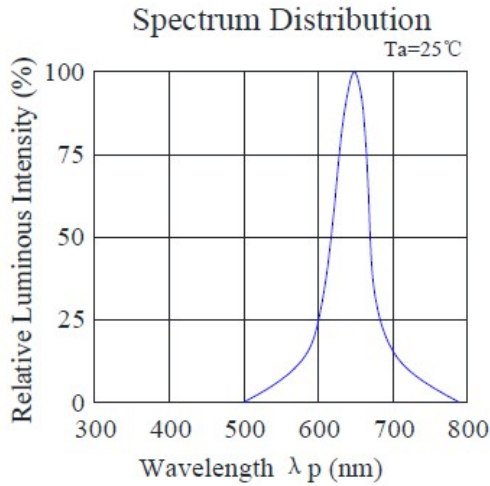
Typical Characteristic Curves: Yellow Green



Typical Characteristic Curves: Yellow



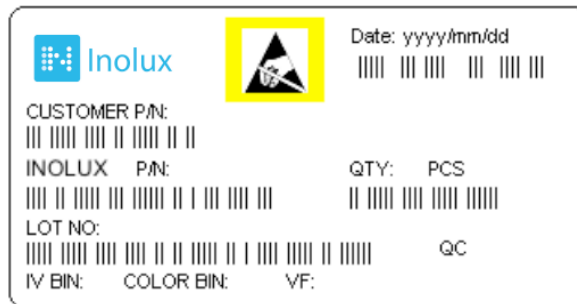
Typical Characteristic Curves: Red



Ordering Information

Product	Emission Color	Test Current IF (mA)	Luminous Intensity IV (mcd) (Typ.)	Forward Voltage VF (V) (Typ.)	Orderable Part Number
INH-5SWUYGY60	Yellow Green	20	30	2.2	INH-5SWUYGY60
	Yellow	20	20	2.0	
INH-5SWURYG60	Red	20	20	2.0	INH-5SWURYG60
	Yellow Green	20	30	2.2	
INH-5SWURY60	Red	20	20	2.0	INH-5SWURY60
	Yellow	20	20	2.0	

Label Specifications





INH-5SWUXX60 Series
5mm Round, Single Lamp
Dual Level Circuit Board Indicator

Inolux P/N:

I	N	H	-	5	S	WU	X	X	6	0	-	X	X	X	X
Inolux Through Hole with Housing				Package	Lamp	Lens	Color	Color	View Angle		Customized Stamp-off				
				5 = 5mm Round	S = 1 lamp	WU = White Diffused	YG: 570nm Y: 590nm R:630nm	YG: 570nm Y: 590nm R:630nm	60 = 60 deg.						

Lot No.:

Z	2	0	1	7	01	24	001
Internal Tracker	Year (2017, 2018,)				Month	Date	Serial



Revision History

Changes since last revision	Page	Version No.	Revision Date
Initial Release		1.0	06-19-2020
Revise the Drawing	1	1.1	03-09-2021

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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.