

Features

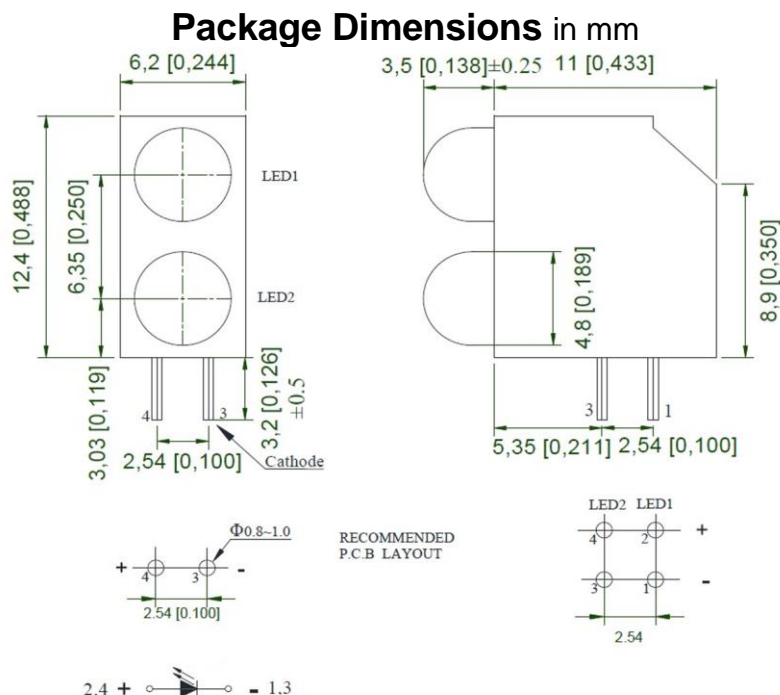
- Low power consumption
- High Efficiency
- 4.8 mm Lamp
- Easy to assembly
- Color Diffused Lens
- Good control and free combinations on the colors of Lamps

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.



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-48DAUA60	Amber	65	25	100	5	-40°C~+80°C	-40°C~+85°C
INH-48DGUYG60	Yellow Green	65	25	100	5	-40°C~+80°C	-40°C~+85°C
INH-48DRUDR60	Deep Red	60	25	100	5	-40°C~+80°C	-40°C~+85°C
INH-48DYUY60	Yellow	60	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-48DAUA60	Amber	20	1.6	2.6	603	606	35	60	13	20
INH-48DGUYG60	Yellow Green	20	1.6	2.6	565	571	30	60	13	30
INH-48DRUDR60	Deep Red	20	1.6	2.4	640	660	45	60	90	160
INH-48DYUY60	Yellow	20	1.6	2.4	590	592	15	60	13	30

Notes

- Brightness tolerance = +/- 10%
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2θ 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

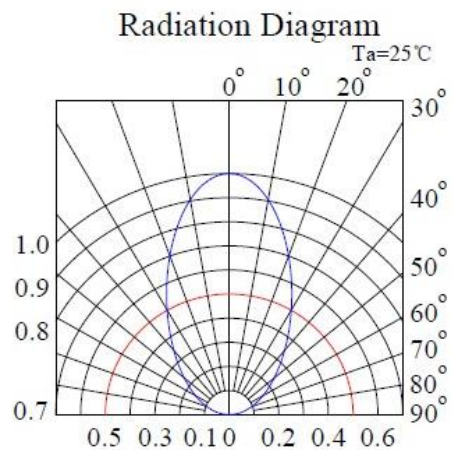
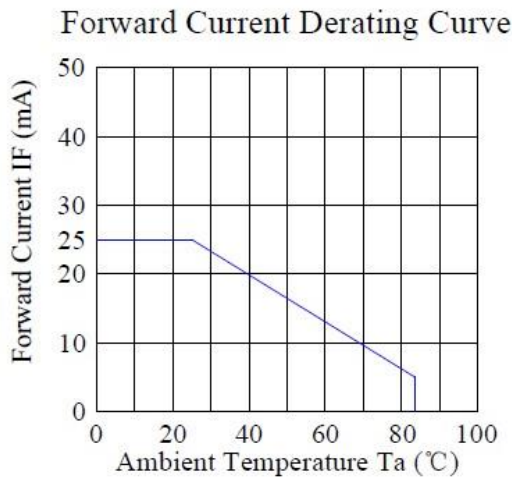
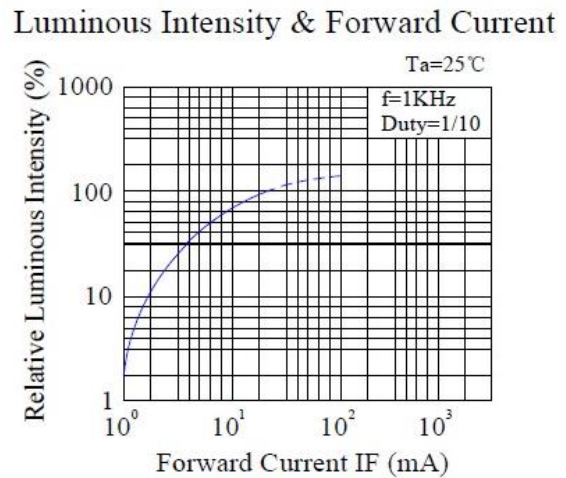
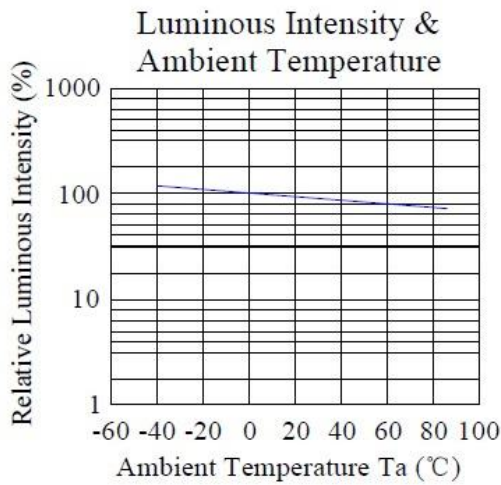
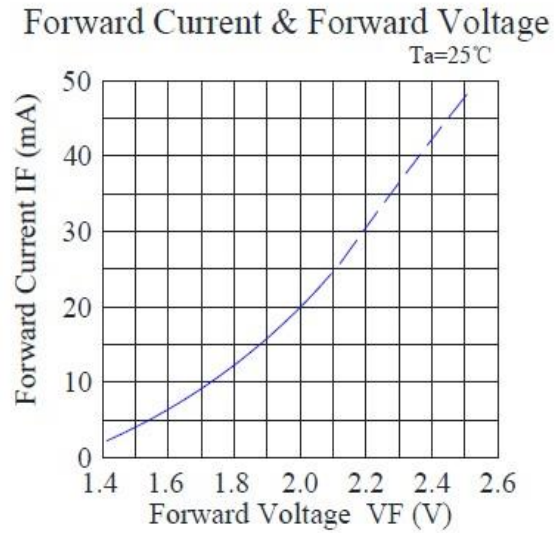
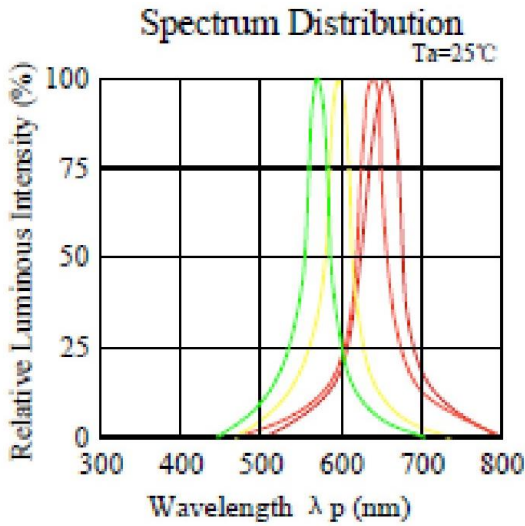


The symbol above denotes that ESD precaution is needed. ESD protection for GaP and AlGaAs based chips is necessary even though they are relatively safe in the presence of low static-electric discharge. Parts built with AlInGaP, GaN, or/and InGaN based chips are STATIC SENSITIVE devices. ESD precaution 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).

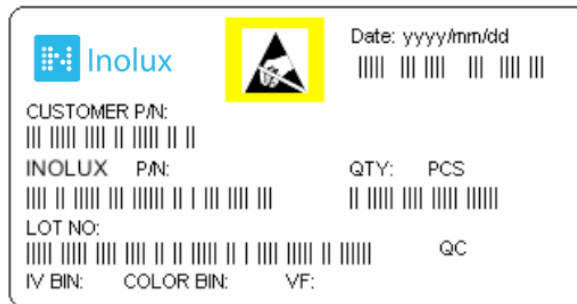
Typical Characteristic Curves: A, YG, DR, Y



Ordering Information

Product	Emission Color	Test Current IF (mA)	Luminous Intensity IV (mcd) (Typ.)	Forward Voltage VF (V) (Typ.)	Orderable Part Number
INH-48DAUA60	Amber	20	20	2.0	INH-48DAUA60
INH-48DGUYG60	Yellow Green	20	30	2.2	INH-48DGUYG60
INH-48DRUDR60	Deep Red	20	160	2.0	INH-48DRUDR60
INH-48DYUY60	Yellow	20	30	2.0	INH-48DYUY60

Label Specifications





INH-48DXX60 Series
4.8mm Round, Dual Lamps
Single Level Circuit Board Indicator

Inolux P/N:

I	N	H	-	48	D	X	X	6	0	-	X	X	X	X
Inolux Through Hole with Housing				Package	Lamp Qty	Lens	Color	View Angle		Customized Stamp-off				
				48 = 4.8mm Round	D = 1 Lamp	AU = Amber Diffused GU = Green Diffused RU = Red Diffused YU = Yellow Diffused	A = 605nm YG = 570nm DR = 624nm Y = 590nm	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

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