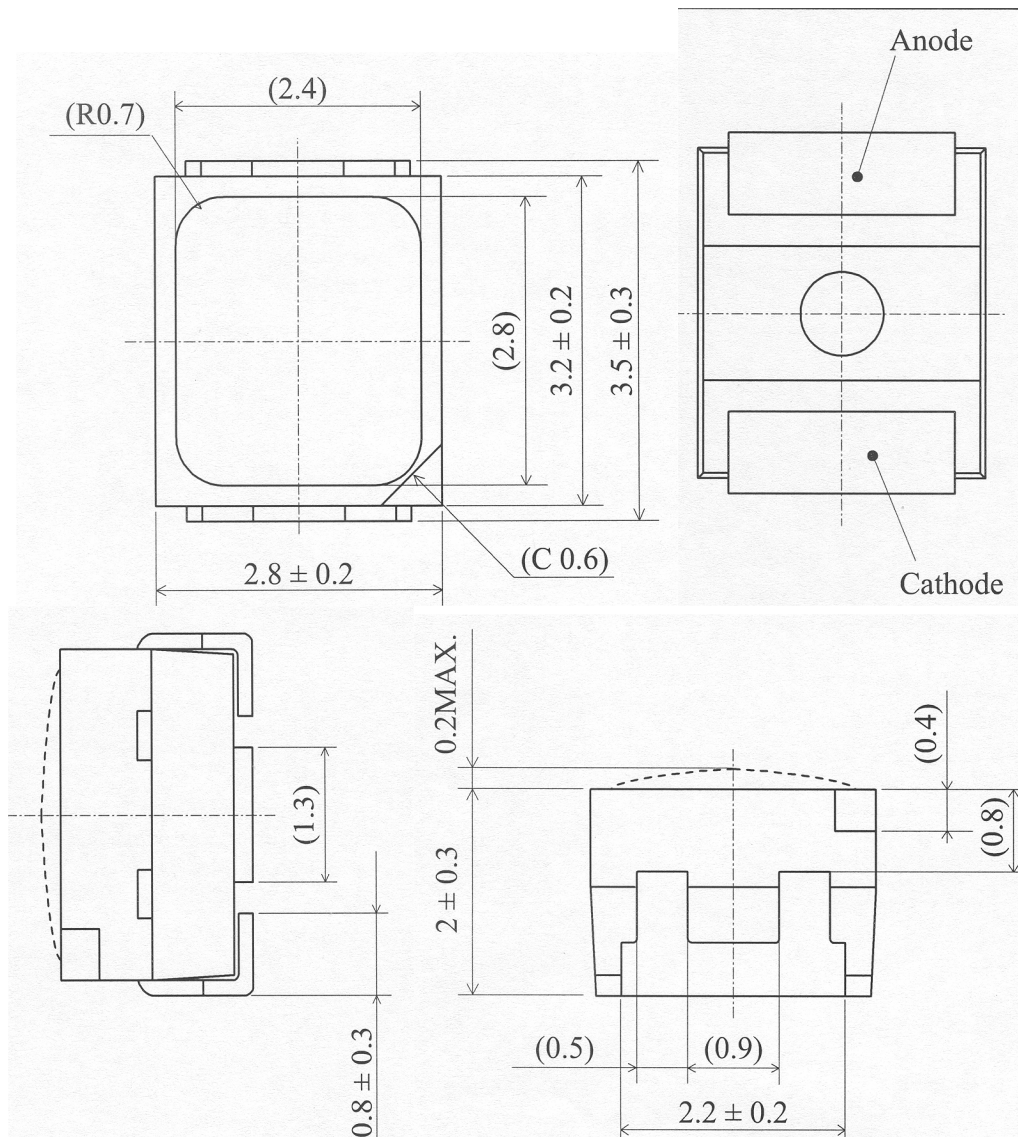


## GHB-PLCC-G3



## 1. SPECIFICATIONS

### (1) Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I <sub>F</sub>	30	mA
Pulse Forward Current	I <sub>FP</sub>	100	mA
Allowable Reverse Current	I <sub>R</sub>	85	mA
Power Dissipation	P <sub>D</sub>	120	mW
Operating Temperature	T <sub>opr</sub>	-40 ~ + 85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Soldering Temperature	T <sub>slid</sub>	Reflow Soldering : 240°C for 10sec. Dip Soldering : 260°C for 10sec. Hand Soldering : 300°C for 3sec.	

I<sub>FP</sub> Conditions : Pulse Width ≤ 10msec. and Duty ≤ 1/10

### (2) Initial Electrical/Optical Characteristics

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20[mA]	-	3.5	4.0	V	
Luminous Intensity	Rank T	I <sub>v</sub>	I <sub>F</sub> =20[mA]	560	640	780	mcd
	Rank S	I <sub>v</sub>	I <sub>F</sub> =20[mA]	390	460	560	mcd
	Rank R	I <sub>v</sub>	I <sub>F</sub> =20[mA]	280	320	390	mcd

\* Measurement Uncertainty of the Luminous Intensity : ± 10%

### Color Ranks

(I<sub>F</sub>=20mA, Ta=25°C)

Rank G					Rank H				
x	0.14	0.14	0.22	0.22	x	0.21	0.21	0.28	0.28
y	0.64	0.74	0.74	0.64	y	0.65	0.73	0.73	0.65

\* Measurement Uncertainty of the Color Coordinates : ± 0.01

\* One delivery will include up to two color ranks and three luminous intensity ranks of the products.

The quantity-ratio of the ranks is decided by Nichia.

## 2. TYPICAL INITIAL OPTICAL/ELECTRICAL CHARACTERISTICS

Please refer to figure's page.

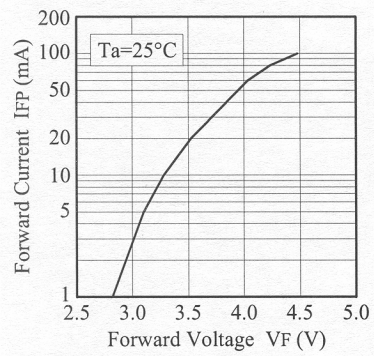
## 3. OUTLINE DIMENSIONS AND MATERIALS

Please refer to figure's page.

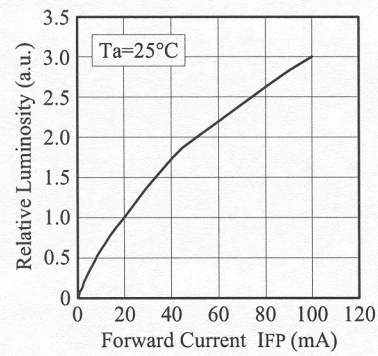
Material as follows ;

Package	:	Heat-Resistant Polymer
Encapsulating Resin	:	Epoxy Resin
Electrodes	:	Ag Plating Copper Alloy

■ Forward Voltage vs. Forward Current



■ Forward Current vs. Relative Luminosity



■ Spectrum

