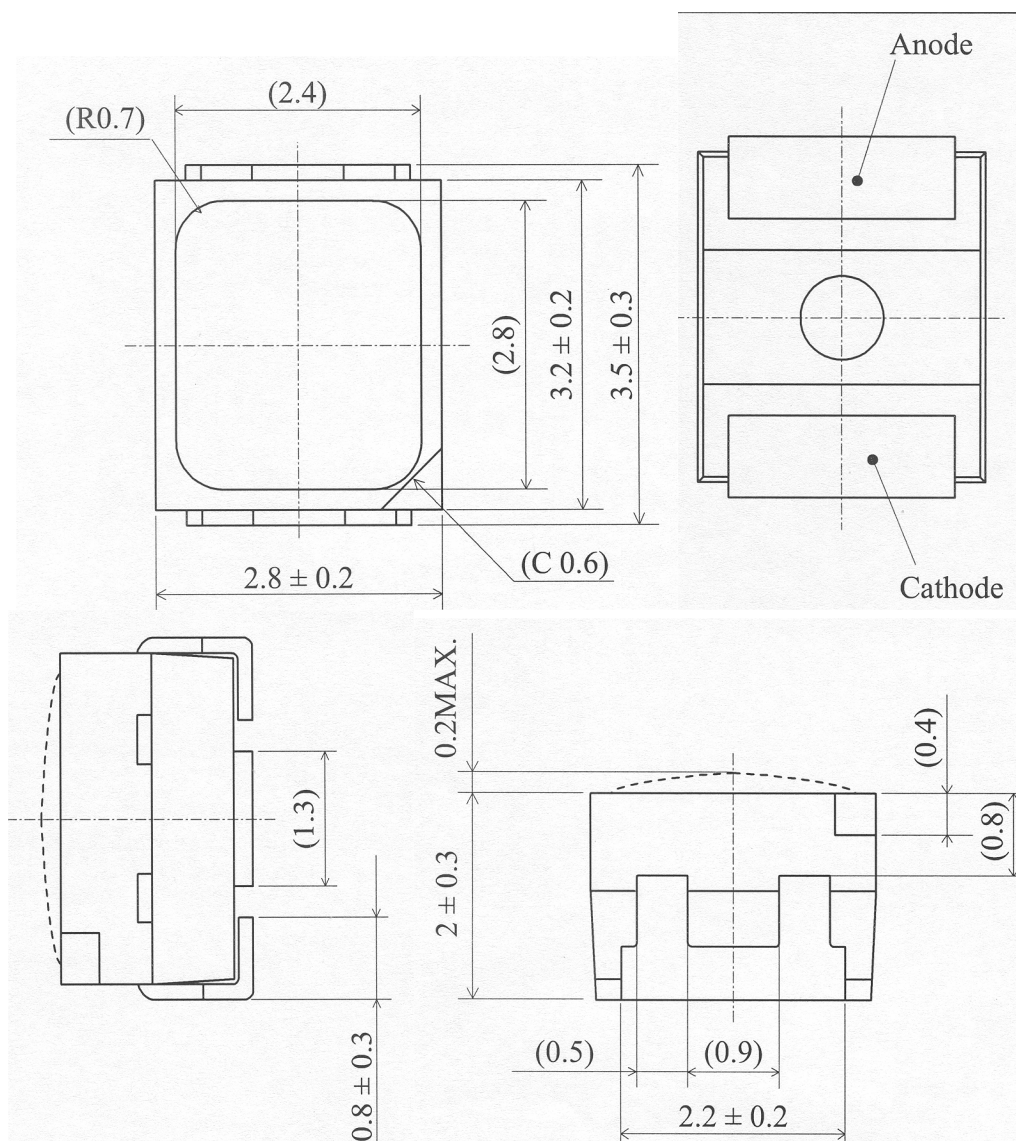




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GHB-PLCC-CW3



1.SPECIFICATIONS

(1) Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	I _F	30	mA
Pulse Forward Current	I _{FP}	100	mA
Allowable Reverse Current	I _R	85	mA
Power Dissipation	P _D	120	mW
Operating Temperature	T _{opr}	-40 ~ + 85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Soldering Temperature	T _{sld}	Reflow Soldering : 240°C for 10sec. Dip Soldering : 260°C for 10sec. Hand Soldering : 300°C for 3sec.	

I_{FP} 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 _F	I _F =20[mA]	-	3.6	4.0	V
Luminous Intensity	Rank S	I _v	I _F =20[mA]	500	600	720	mcd
	Rank R	I _v	I _F =20[mA]	360	430	500	mcd
	Rank O	I _v	I _F =20[mA]	250	300	360	mcd

* Measurement Uncertainty of the Luminous Intensity : ± 10%

Color Ranks

(I_F=20mA, Ta=25°C)

	Rank a0			
x	0.280	0.264	0.283	0.296
y	0.248	0.267	0.305	0.276

	Rank b1			
x	0.287	0.283	0.330	0.330
y	0.295	0.305	0.360	0.339

	Rank b2			
x	0.296	0.287	0.330	0.330
y	0.276	0.295	0.339	0.318

	Rank c0			
x	0.330	0.330	0.361	0.356
y	0.318	0.360	0.385	0.351

* Measurement Uncertainty of the Color Coordinates : ± 0.01

* One delivery will include up to two consecutive 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.

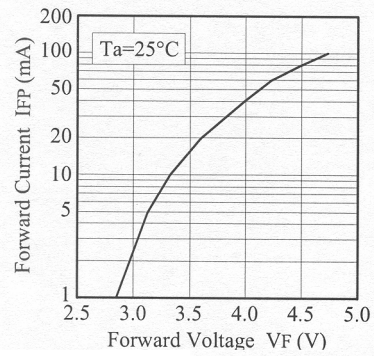
3.OUTLINE DIMENSIONS AND MATERIALS

Please refer to figure's page.

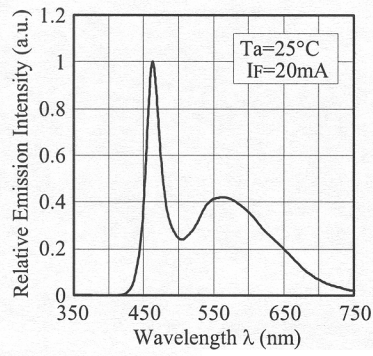
Material as follows ;

Package	:	Heat-Resistant Polymer
Encapsulating Resin	:	Epoxy Resin (with YAG Phosphor)
Electrodes	:	Ag Plating Copper Alloy

■ Forward Voltage vs.
Forward Current



■ Spectrum



■ Forward Current vs.
Relative Luminosity

