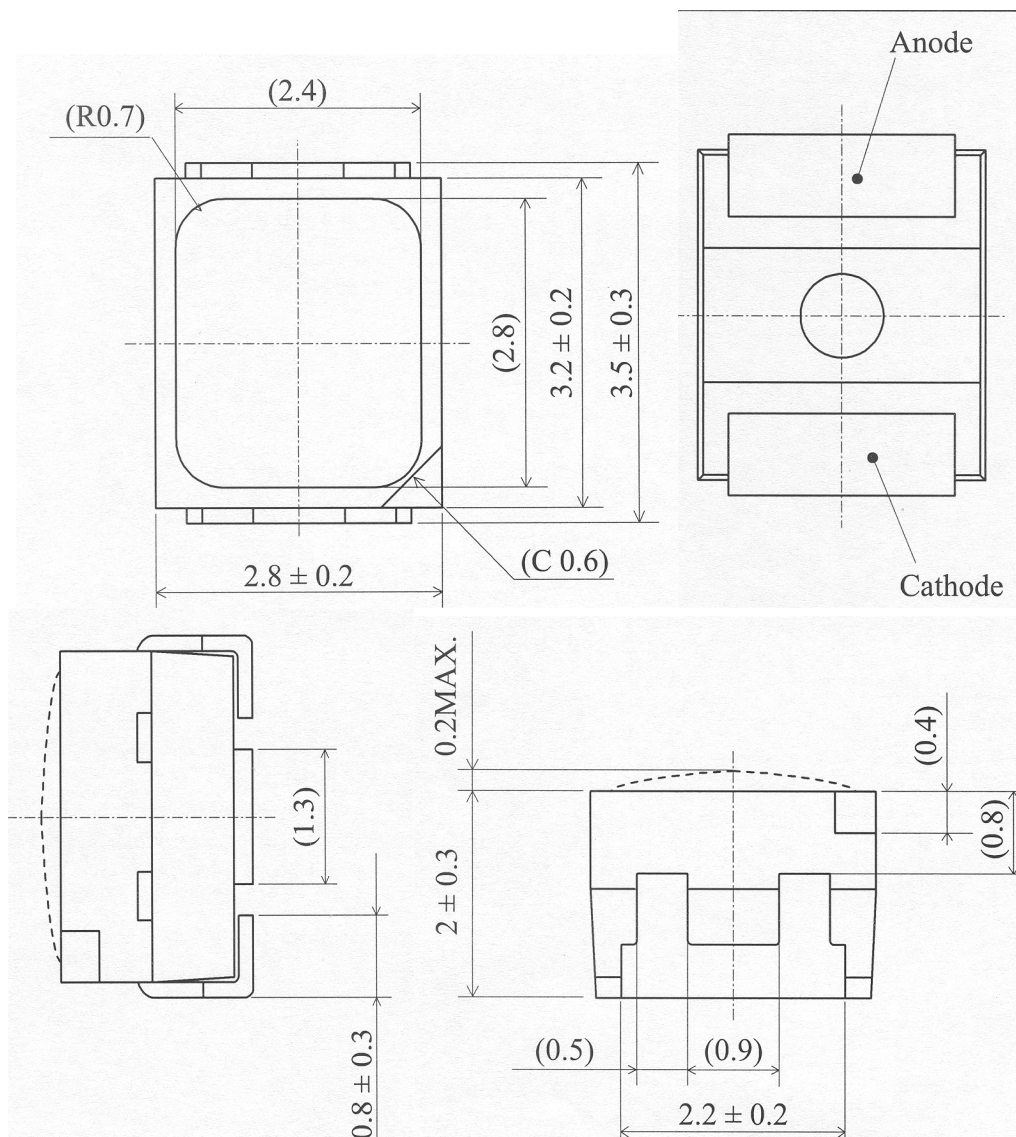




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GHB-PLCC-BG2



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]	-	3.5	4.0	V
Luminous Intensity	Rank T	I _F =20[mA]	560	640	780	mcd
	Rank S	I _F =20[mA]	390	460	560	mcd
	Rank R	I _F =20[mA]	280	320	390	mcd
	Rank Q	I _F =20[mA]	195	230	280	mcd

* Measurement Uncertainty of the Luminous Intensity : ± 10%

Color Ranks

(I_F=20mA, Ta=25°C)

	Rank D				
x	0.05	0.05	0.13	0.13	
y	0.48	0.58	0.58	0.48	

	Rank E				
x	0.06	0.06	0.14	0.14	
y	0.55	0.65	0.65	0.55	

	Rank F				
x	0.09	0.09	0.17	0.17	
y	0.60	0.72	0.72	0.60	

* Measurement Uncertainty of the Color Coordinates : ± 0.012

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

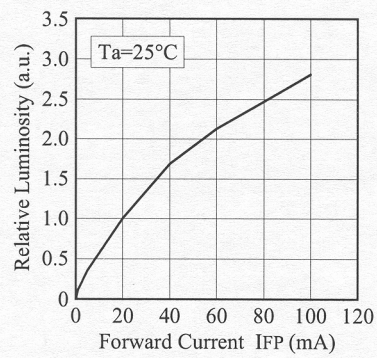
The quantity-ratio of the ranks is decided by Nichia.

Correspondence table of Color Coordinates - Luminous Intensity ranks

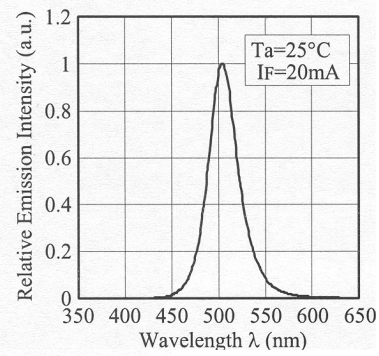
Ranking by Luminous Intensity		Q	R	S	T
Ranking by Color Coordinates	D				
	E				
	F				

* Shaded ranks are available.

■ Forward Current vs. Relative Luminosity



■ Spectrum



■ Forward Voltage vs. Forward Current

