

Model No:HH-5054GCL3

Pure Green TOP LED (5050)

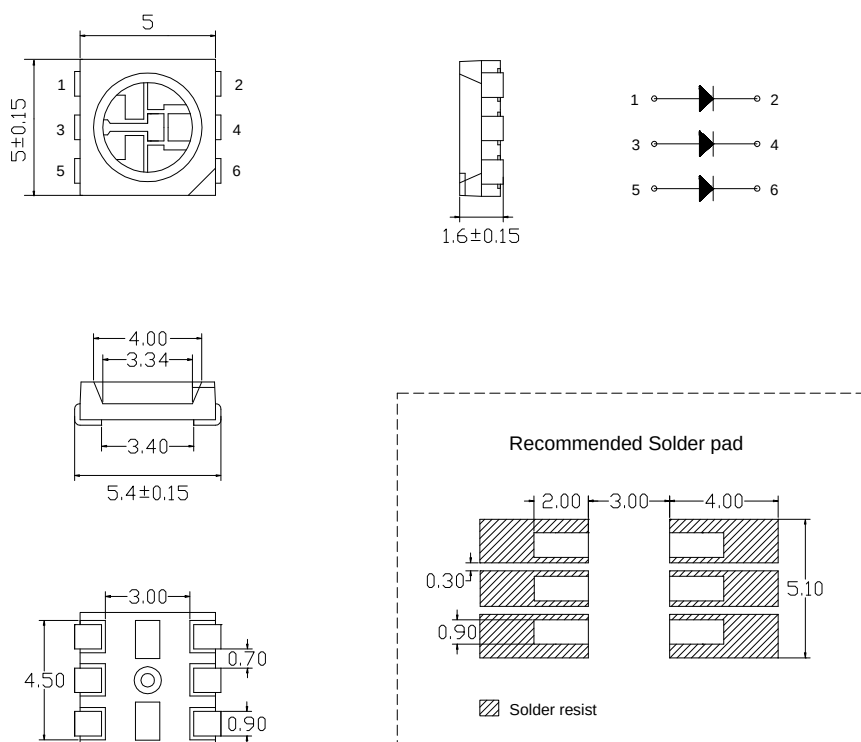
Lead(Pb) Free Product-RoHS Compliant

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■ Applications

1. Interior automotive lighting(dashboard backlight etc...)
2. Optical indicators
3. Communication Products
4. Backlighting
5. Flash
6. Toys

■ Package Dimensions



Notes:

All dimensions in mm tolerance is ± 0.1 mm unless otherwise noted.



■ Absolute Maximum Ratings (Ta = 25°C)

Items	Symbol	Absolute maximum Rating	Unit
Power Dissipation*	P _D	100	mW
Forward Current(DC)**	I _F	25	mA
Peak Forward Current***	I _{FP}	100	mA
Operation Temperature	T _{opr}	-30~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C

*The Value is for one LED Circuit

**The Value is for one LED Circuit. For long term performance the drive currents between 5mA and 20mA are recommended(Three circuits are lit simultaneously). Please contact LZGD sales representative for more information on recommended drive conditions.

***Pulse width ≤ 0.1msec duty ≤ 1/10

■ Typical Electrical & Optical Characteristics (Ta = 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	*I _F = 20mA	2.8	3.2		V
Reverse Current	I _R	V _R = 5V	---	---	50	μ A
Dominant Wavelength **	λ _d	*I _F = 20mA	515	520	---	nm
Luminous Intensity**	I _V	*I _F = 20mA	2145	3000	---	mcd
50% Power Angle**	2 θ ½	*I _F = 20mA	---	120	---	Deg

* The Value is for one LED Circuit

** Luminous intensity , DominantWavelength and View angle date are the Values when 3 circuits are lit simultaneously.

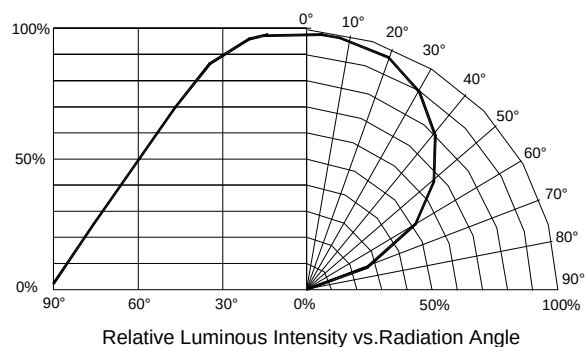
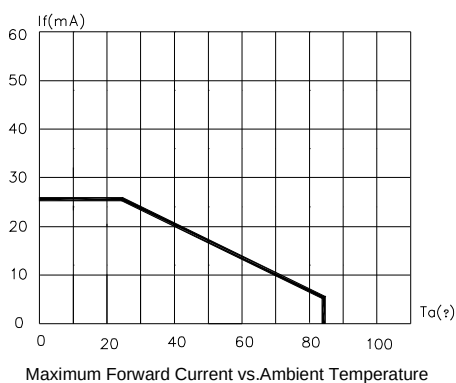
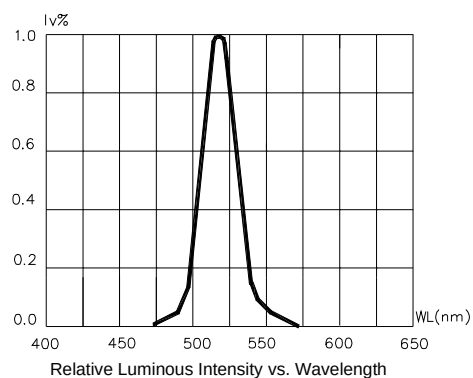
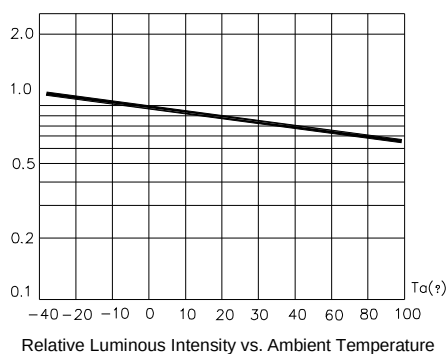
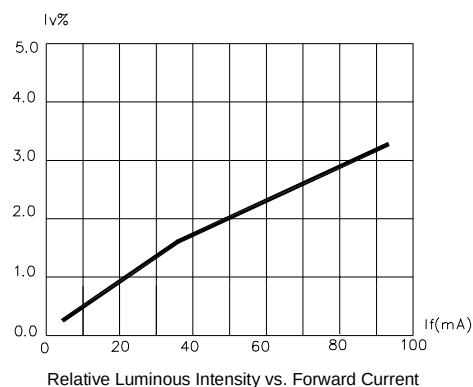
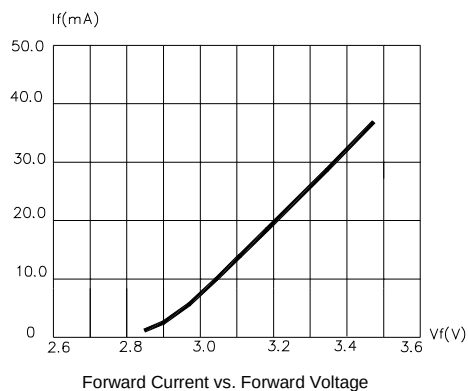
■ Ranks Combination (IF = 60mA)

Rank	U1	U2	V1
Luminous Intensity(mcd)	2145-2681	2681-3351	3351-4188

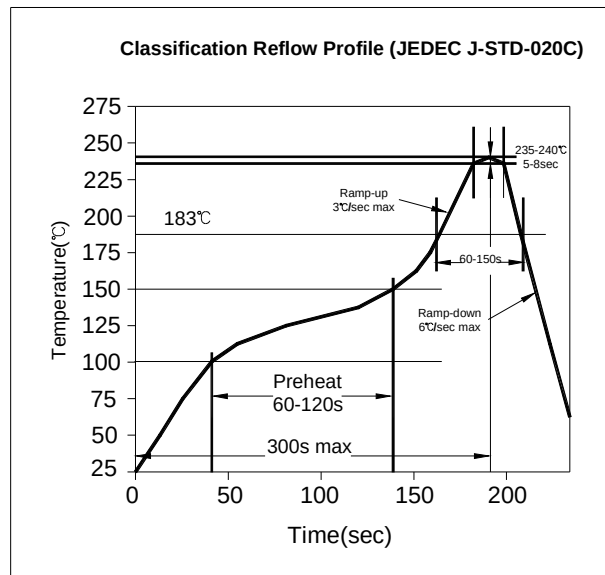
■ Notes

1. Tolerance of measurement of luminous intensity : ±15%
2. Tolerance of measurement of dominant wavelength : ±1nm
3. Tolerance of measurement of forward voltage : ±0.1V

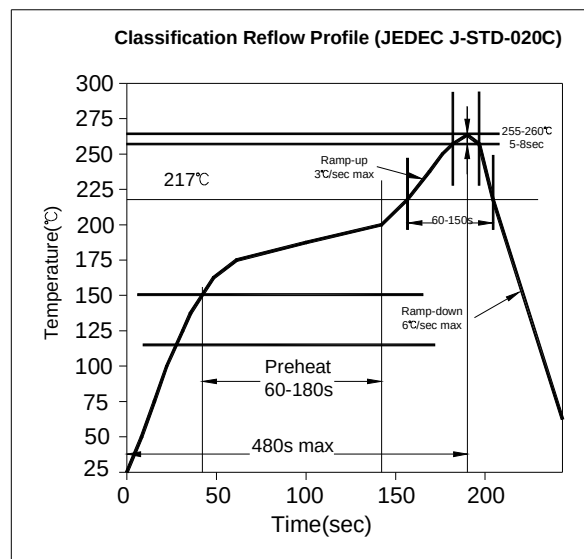
■ Typical Electrical/ Optical Characteristics Curves (Ta=25°C Unless Otherwise Noted)



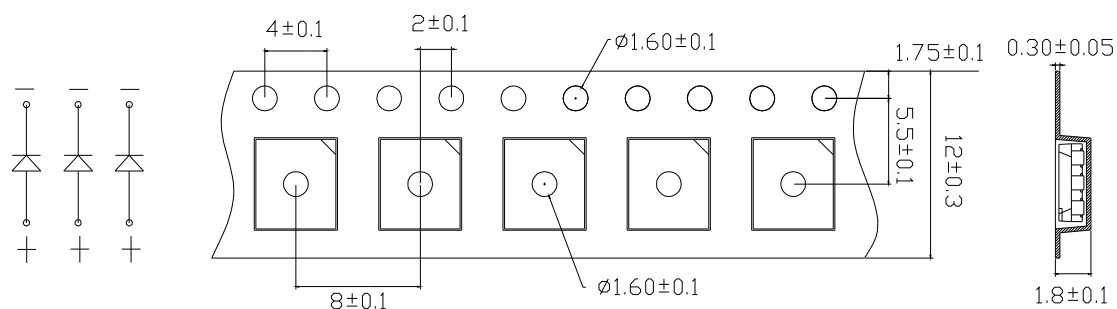
■ Soldering heat reliability:
Lead Solder



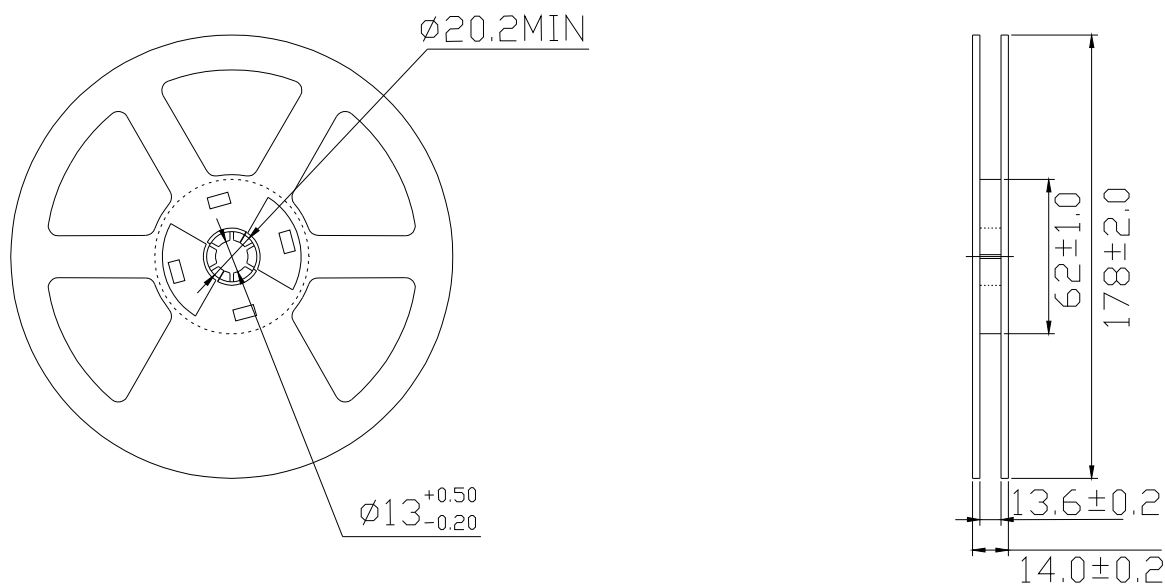
Lead Free Solder



■ Packing Specifications:



■ Reel Specifications



Dimensions are specified as follows:mm

Notes:

- 1) Normal packing quantity: 1,000pcs/reel