



TOYO LED ELECTRONICS LIMITED

Room 1610, Hong Kong Plaza, 188 Connaught Road West, Hong Kong.

Tel : (852) 2540 7288
http://www.toyo-led.com

Fax : (852) 2517 1797
E-mail : sales@toyo-led.com



P/N: TY-Y0805UG1(0.80)

0805 Package 2.0*1.25mm Surface Mount LEDs Series

SPECIFICATION FOR CUSTOMER APPROVAL

P/N: TY-Y0805UG1(0.80)

DATE : July 28, 2016

PREPARED BY : Yanguoliang

CONFIRMED BY :

PLEASE CONFIRM & SIGN BACK THIS SHEET TO US

CUSTOMER: _____

(COMPANY CHOP)

APPROVAL BY: _____

(SIGNATURE)



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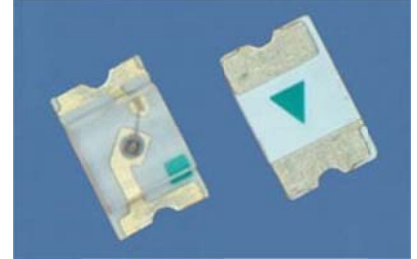


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◆ Features:

- 2.0*1.25*0.80mm
- Mono-color type
- Soldering methods :All SMT assembly methods
- Comply ROHS standard



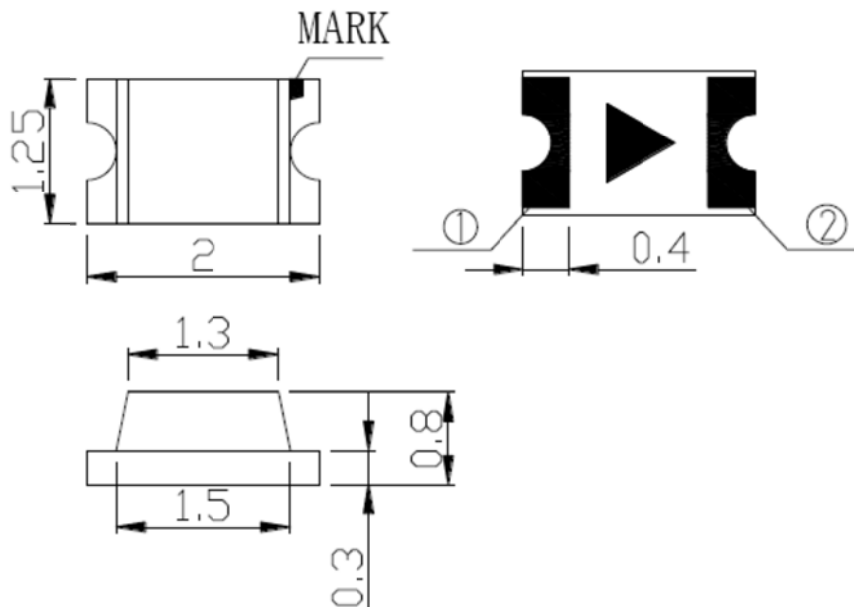
◆ Description

The Yellow Green source color devices are made with AlGaInP on sapphire Light Emitting Diode

◆ Application

- Optical indicator
- Indicator and backlighting in telephone and fax
- Flat backlight for LCD, switch and symbol
- Light pipe application
- General use

◆ Package Dimensions



NOTES:

1. All dimensions are in millimeter[unit];
2. Tolerance is ± 0.05 mm unless other specified;
3. Specifications are subject to change without notice.



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Part No.	Emitted Color	Len's Color	Chip Material
TY-Y0805UG1(0.80)	Yellow Green	Water Clear	AlGaInP

◇ Absolute Maximum Ratings(Ta=25°C)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	75	mW
Continuous Forward Current	I _{Fmax}	30	mA
Peak Forward Current(1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	80	mA
Reverse Voltage	V _R	5	V
Operating Temperature Range	T _{opr}	-40 to+85	°C
Storage Temperature Range	T _{stg}	-40 to+85	°C
Lead Solder Temperature	Tsol	260°C for 3 seconds	

◇ Electrical/Optical Characteristics(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max	Unit
Forward Voltage	V _F	I _F =20mA	---	1.9	2.2	V
Luminous Intensity	I _V	I _F =20mA	25	50	---	mcd
Wavelength	Tc	I _F =20mA	566	--	572	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	--	120	--	Deg
Reverse Current	I _R	V _R =5V	--	--	10	uA



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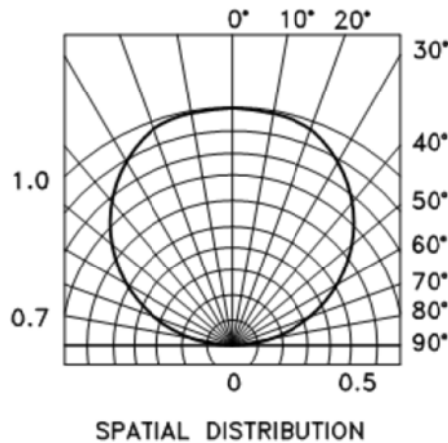
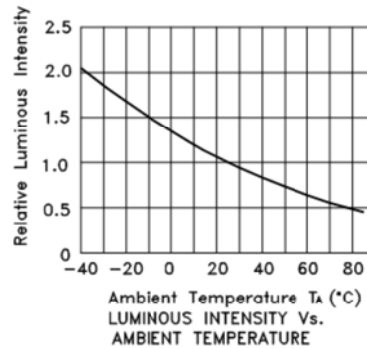
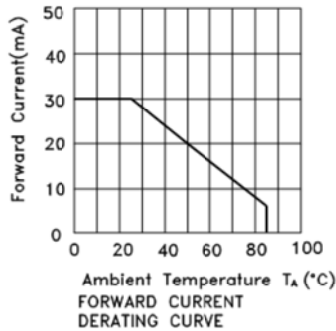
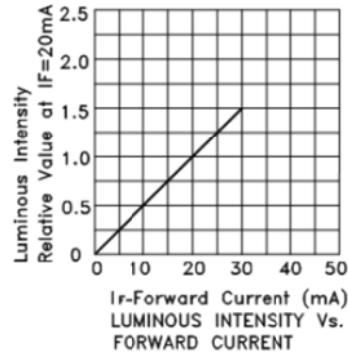
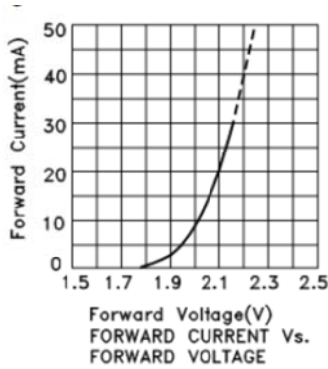
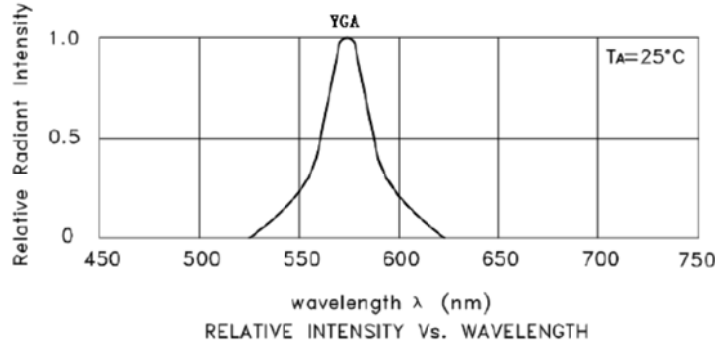
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◇ Typical Electro-Optical Characteristics Curves





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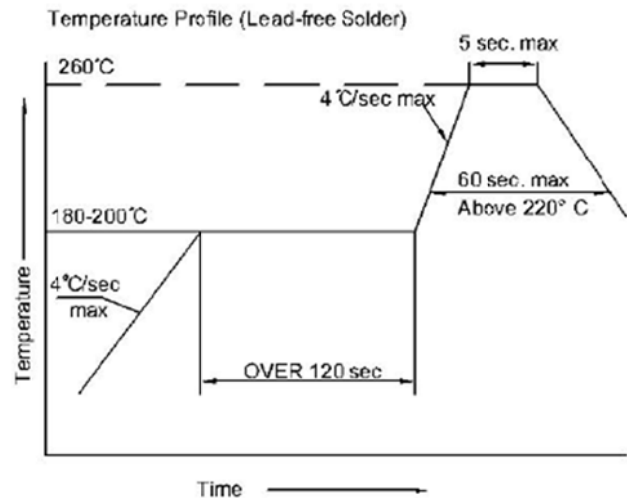
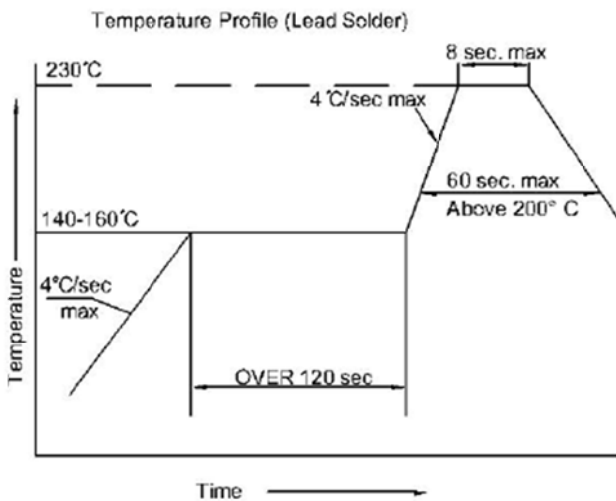
◇ **R**

				Quantity	Ac/Re
4				22pcs	0/1
5	Low Temperature Storage	TEMP:-40°C	1000hrs	22pcs	0/1
6	DC Operating Life	IF=20MA	1000hrs	22pcs	0/1
7	High Humidity	85%R.H.	1000hrs	22pcs	0/1

◇ **SMT Reflow Soldering Instructions**

Number of reflow process shall be than 2 times and cooling

Process to normal temperature is required between first and second soldering process





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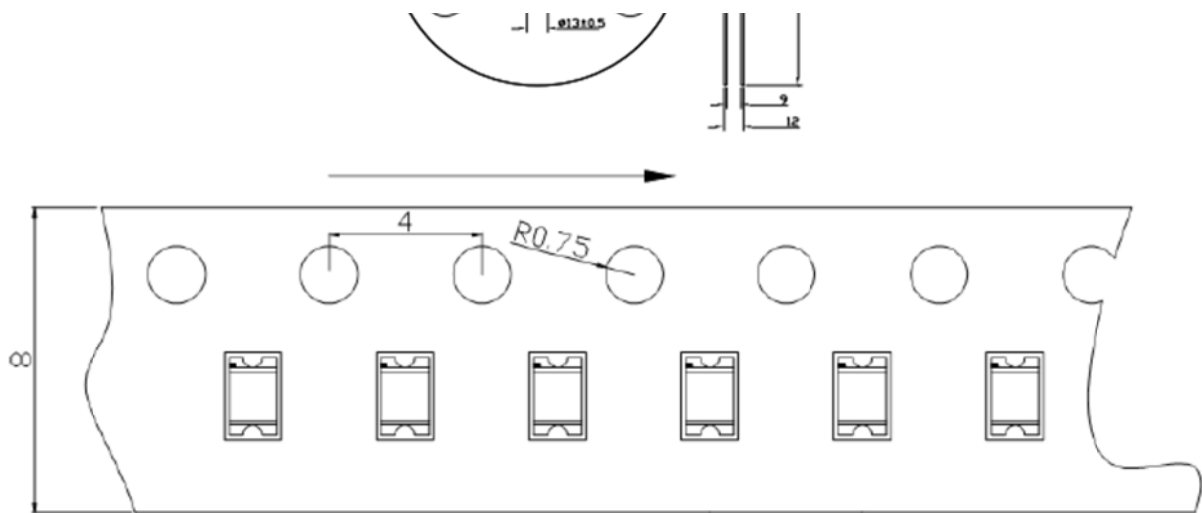


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◇ R

◇ T



◇ Package Label

SMD LED	
PART NO: _____	QA Pass
LOT NO : _____	
Q' TY : _____	Pb
VF : _____ IV : _____	
WL : _____ BIN: _____	
DATA : _____	
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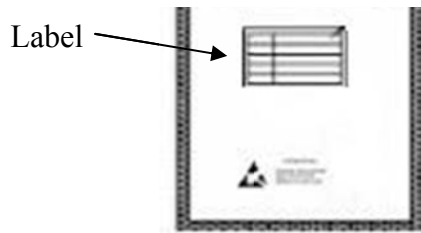
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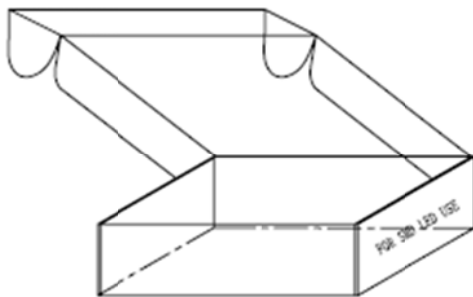
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◇ P

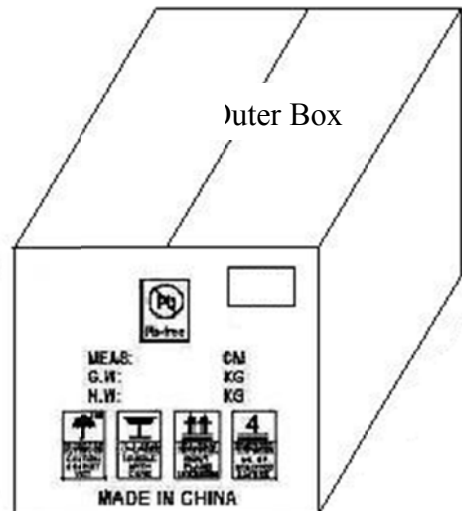


Label

Aluminum moisture-proof bag
Size: 240*216*0.112(mm)



5Reels/Inner Box (15KPCS)
Size: 250*220*68(mm)



Outer Box

KPCS)