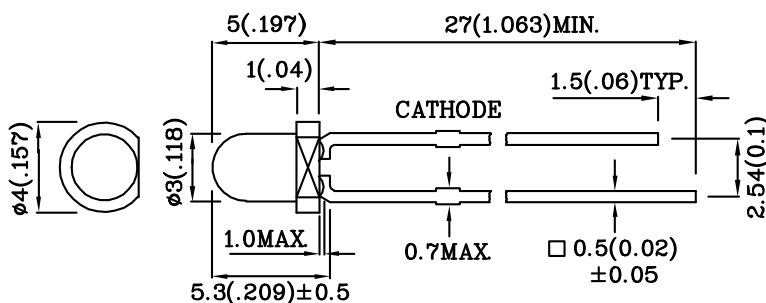
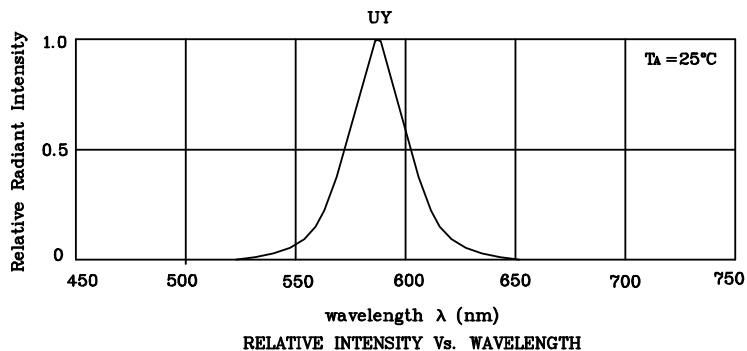




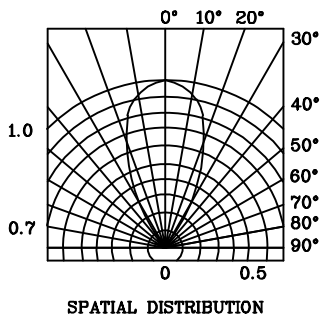
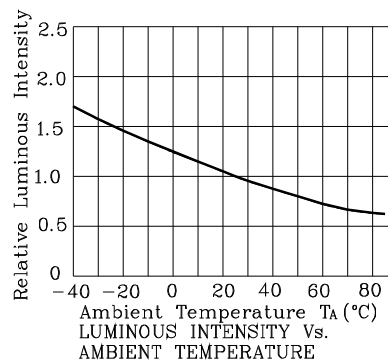
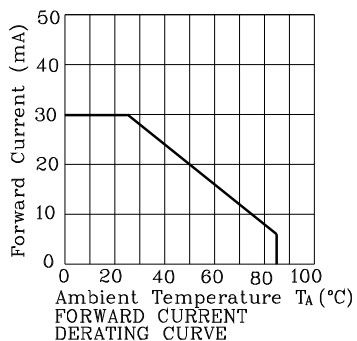
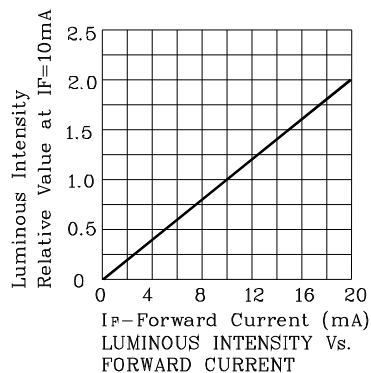
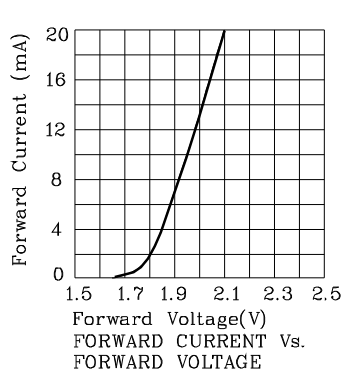
Absolute Maximum Ratings (TA=25°C)		UY (GaAsP/ GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

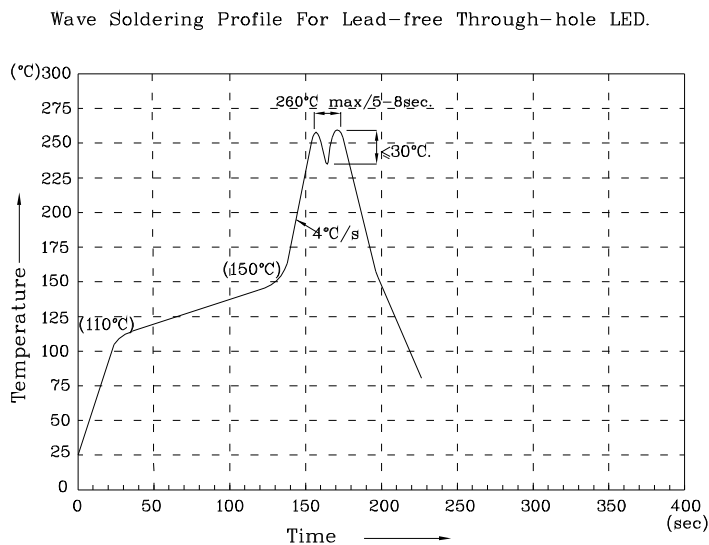
Operating Characteristics (TA=25°C)		UY (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (IF=10mA)	VF	1.95	V
Forward Voltage (Max.) (IF=10mA)	VF	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	35	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=10mA) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.	
LUY39C	Yellow	GaAsP/GaP	Yellow Transparent	8	19	590
Published Date : MAR 18,2008		Drawing No :SDSA2781		V3	Checked : B.L.LIU	P.1/4



❖ **UY**





NOTES:

1. Recommend the wave temperature 245°C~260°C. The maximum soldering temperature should be less than 260°C.
2. Do not apply stress on epoxy resins when temperature is over 85 degree°C.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

Remarks:

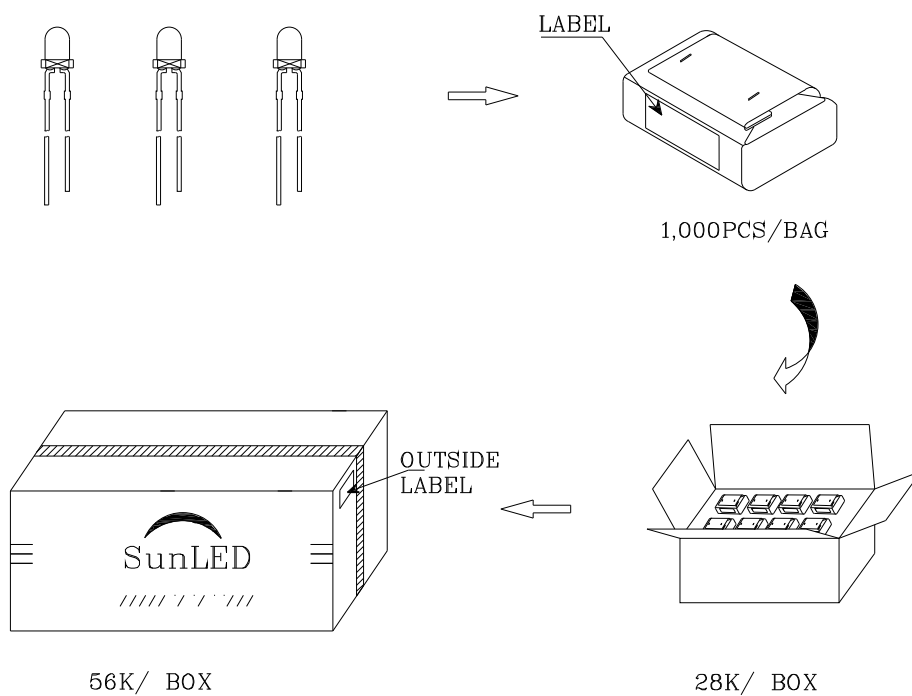
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

LUY39C



		Q.C. Q C XX XX. XXXX PASSED
P/NO : Lxx39x		
QTY : 1,000 pcs		CODE: XXX
S/N : XX		
LOT NO: XXXXXXXXXXXXXXXXXXXX		
RoHS Compliant		