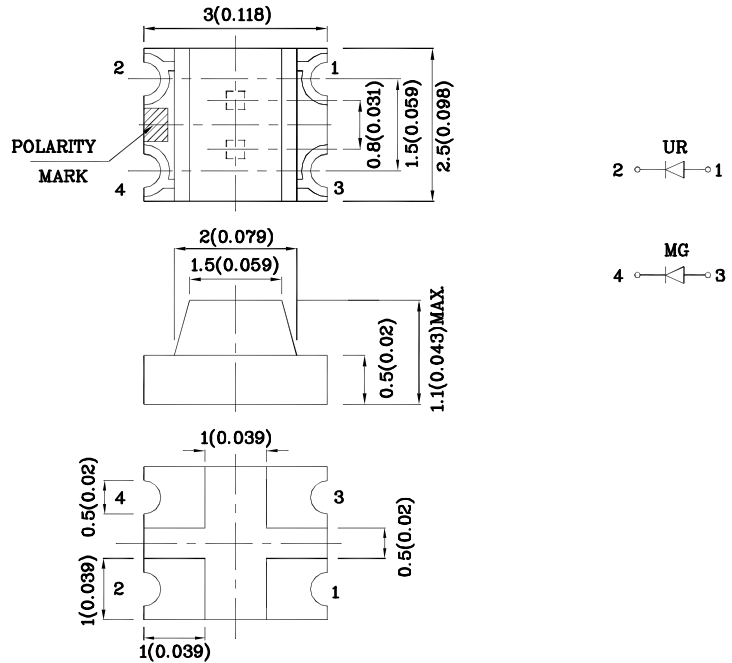


## Features

- Ideal for indication light on hand held products
- Long life and robust package
- Standard Package: 2,000pcs/ Reel
- MSL (Moisture Sensitivity Level): 3
- RoHS compliant



## Package Schematics



Absolute Maximum Ratings (T <sub>A</sub> =25°C)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Reverse Voltage	V <sub>R</sub>	5	5	V
Forward Current	I <sub>F</sub>	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i <sub>FS</sub>	160	140	mA
Power Dissipation	P <sub>D</sub>	75	62.5	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85		

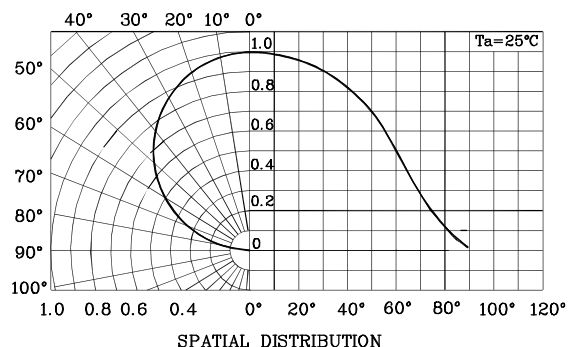
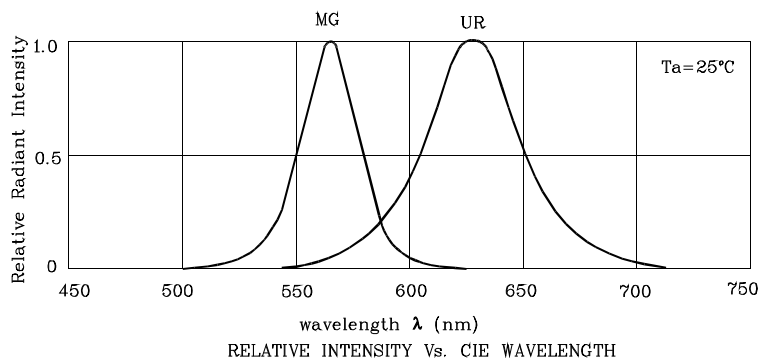
Operating Characteristics (T <sub>A</sub> =25°C)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Forward Voltage (Typ.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2	2.2	V
Forward Voltage (Max.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2.5	2.5	V
Reverse Current (Max.) (V <sub>R</sub> =5V)	I <sub>R</sub>	10	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I <sub>F</sub> =20mA)	λ <sub>P</sub>	627*	565*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I <sub>F</sub> =20mA)	λ <sub>D</sub>	617*	568*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I <sub>F</sub> =20mA)	Δλ	45	30	nm
Capacitance (Typ.) (V <sub>F</sub> =0V, f=1MHz)	C	15	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* (I <sub>F</sub> =20mA) mcd		Wavelength CIE127-2007* nm λ <sub>P</sub>	Viewing Angle 2θ 1/2
				min.	typ.		
XZURMG57W	Red	GaAsP/GaP	Water Clear	8 3*	14 7*	627*	120°
	Green	GaP		8 8*	14 14*	565*	

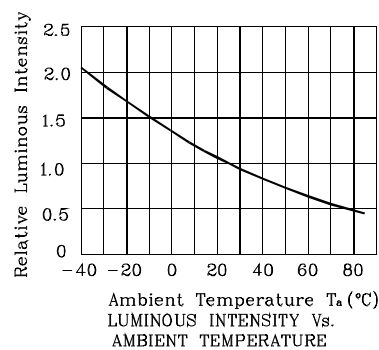
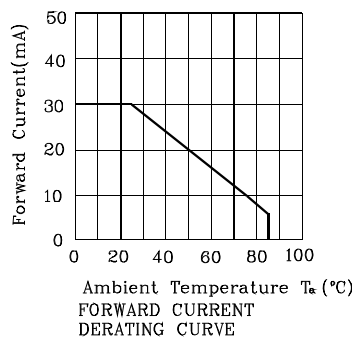
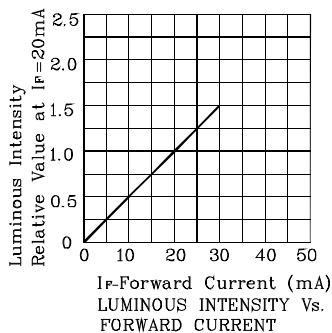
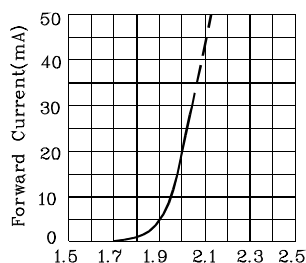
\*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Mar 07,2014

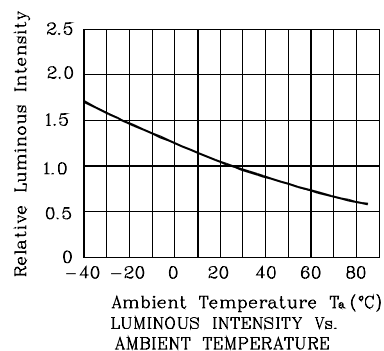
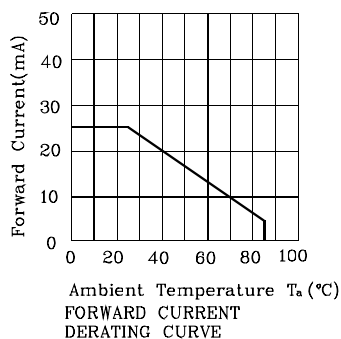
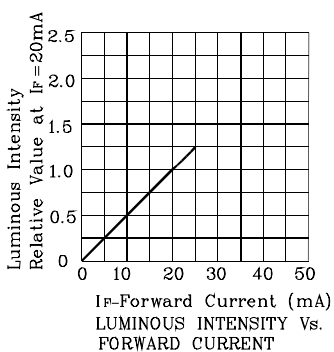
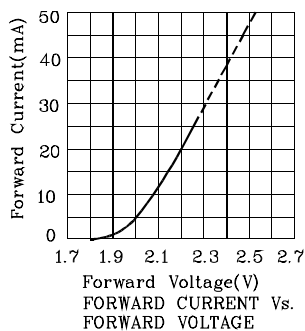
XDSA1562 V8-X Layout: Maggie L.



## ❖ UR



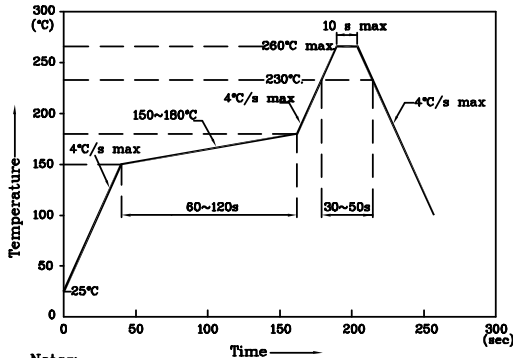
## ❖ MG



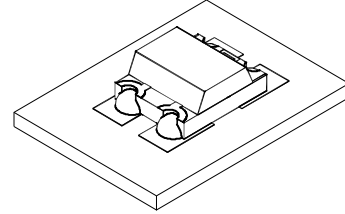
LED is recommended for reflow soldering and soldering profile is shown below.

❖ The device has a single mounting surface.  
The device must be mounted according to the specifications.

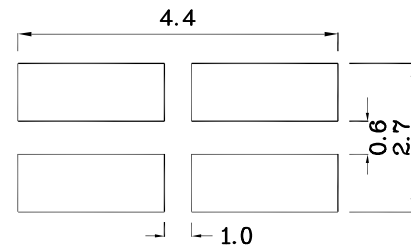
Reflow Soldering Profile for SMD Products (Pb-Free Components)



- Notes:
1. Maximum soldering temperature should not exceed 260°C
  2. Recommended reflow temperature: 145°C-260°C
  3. Do not put stress to the epoxy resin during high temperatures conditions

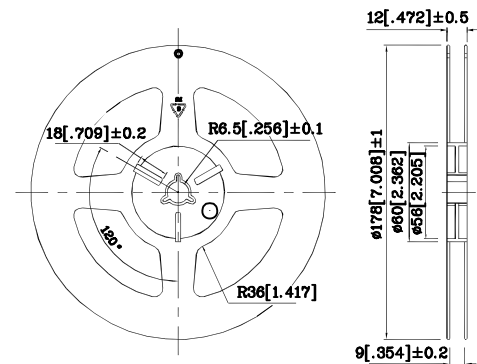
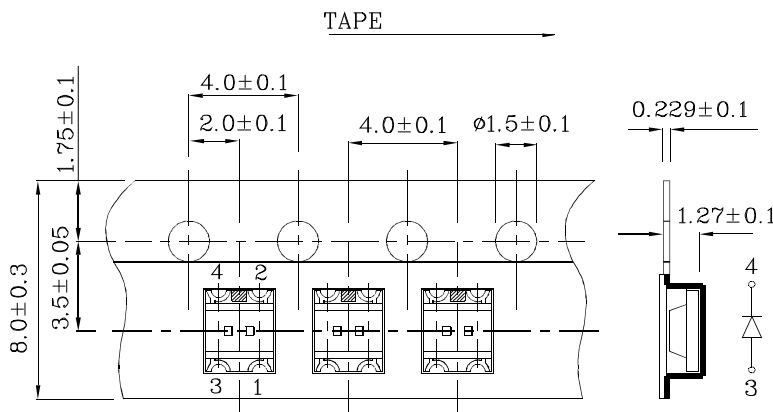


❖ Recommended Soldering Pattern  
(Units : mm; Tolerance:  $\pm 0.1$ )



❖ Tape Specification (Units : mm)

❖ Reel Dimension



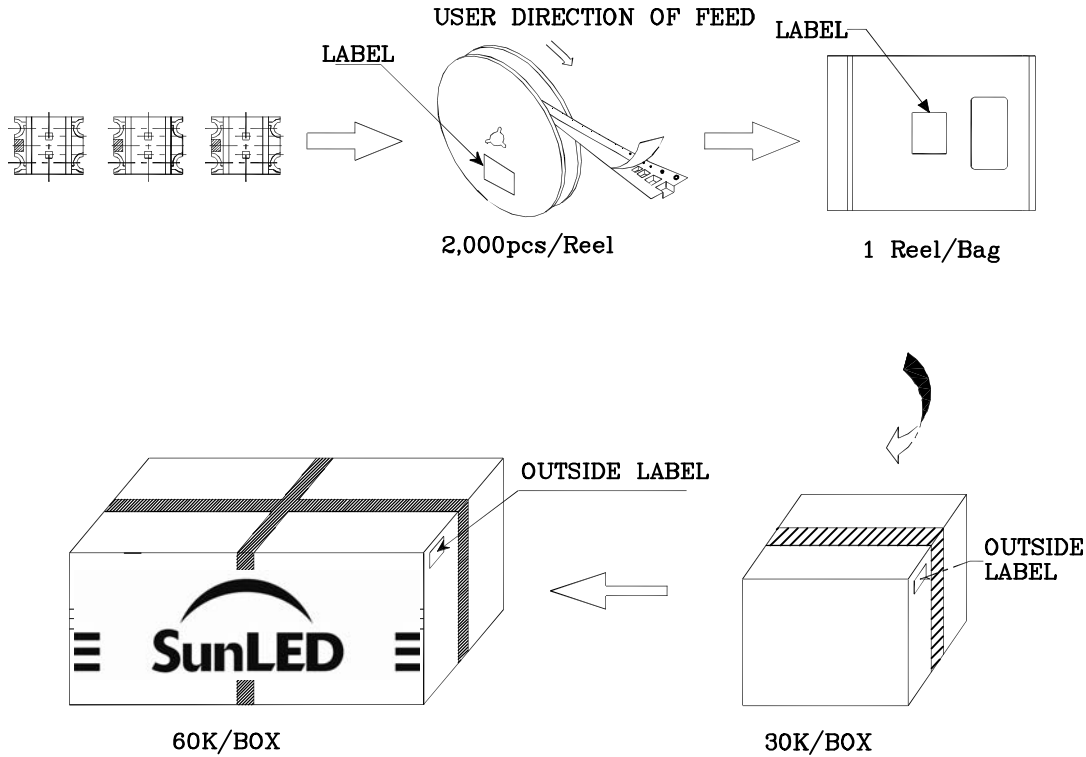
Remarks:




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:  $\pm 1\text{nm}$
2. Luminous intensity / luminous flux:  $\pm 15\%$
3. Forward Voltage:  $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

## PACKING & LABEL SPECIFICATIONS



		
P/NO : XZxxx57x		
QTY :	2,000 pcs	CODE: XXX
S/N : XX		
LOT NO :		
		
XXXXXXXXXXXXXXXXXXXXXXX		
RoHS Compliant		

## TERMS OF USE

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2. Contents within this document are subject to improvement and enhancement changes without notice.
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