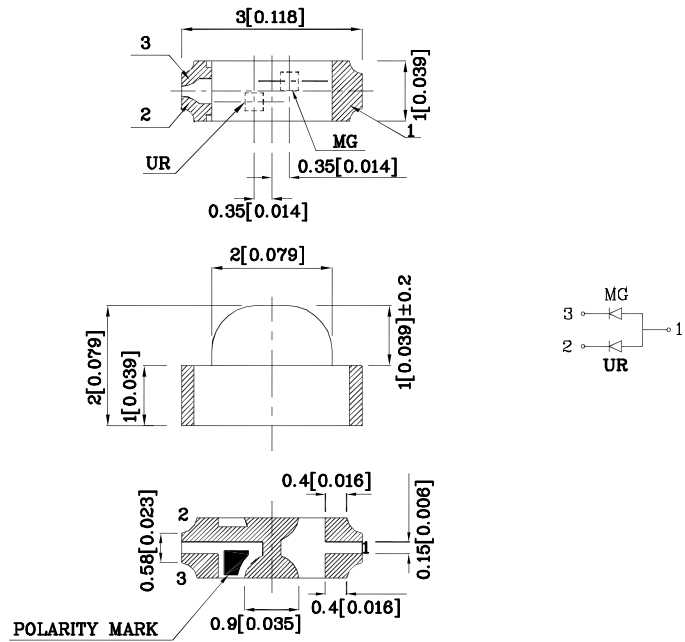


Features

- 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



Notes:

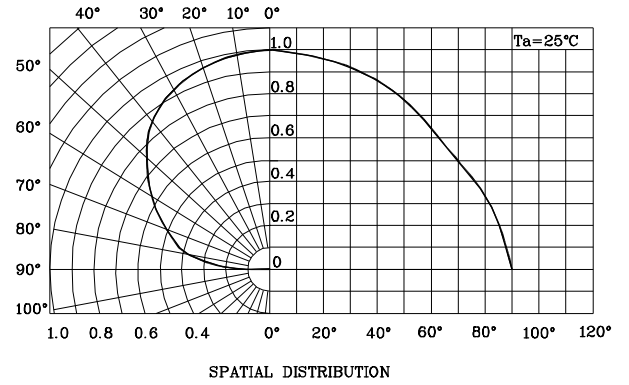
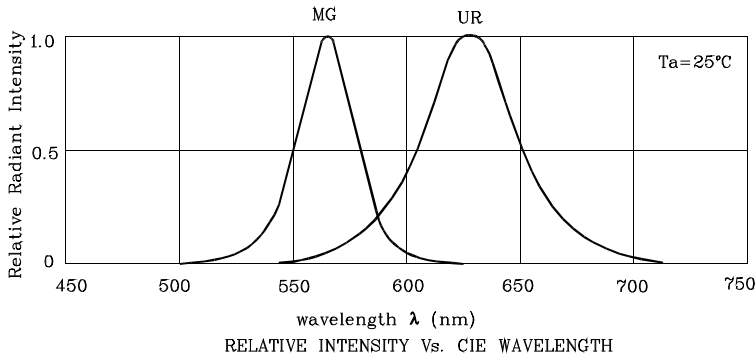
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.15(0.006)$ " unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Reverse Voltage	V_R	5	5	V
Forward Current	I_F	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	160	140	mA
Power Dissipation	P_D	75	62.5	mW
Operating Temperature	T_A	-40 ~ +85		°C
Storage Temperature	T_{stg}	-40 ~ +85		

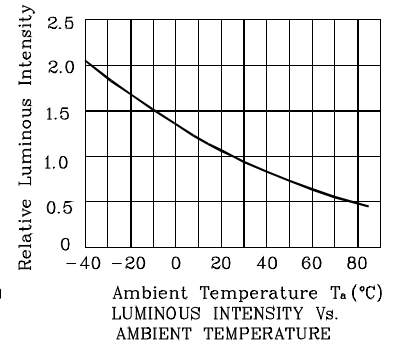
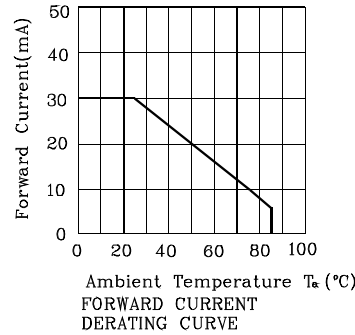
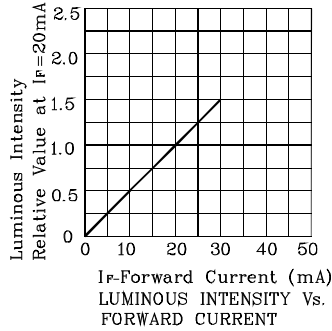
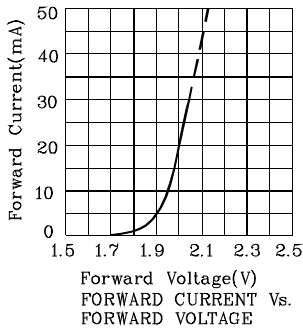
Operating Characteristics ($T_A=25^\circ\text{C}$)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Forward Voltage (Typ.) ($I_F=20\text{mA}$)	V_F	2	2.2	V
Forward Voltage (Max.) ($I_F=20\text{mA}$)	V_F	2.5	2.5	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	10	μA
Wavelength of Peak Emission CIE127-2007* (Typ.) ($I_F=20\text{mA}$)	λ_P	627*	565*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) ($I_F=20\text{mA}$)	λ_D	617*	568*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=20\text{mA}$)	$\Delta\lambda$	45	30	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* ($I_F=20\text{mA}$) mcd		Wavelength CIE127-2007* nm λ_P	Viewing Angle 20 1/2
				min.	typ.		
XZURMG56W	Red	GaAsP/GaP	Water Clear	8 3*	14 7*	627*	140°
	Green	GaP		5 5*	14 14*		

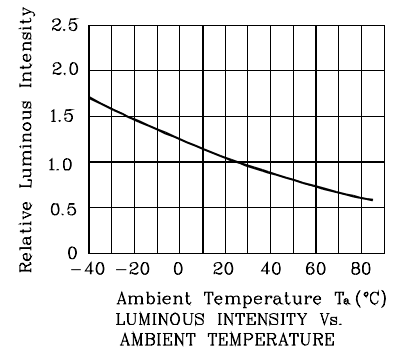
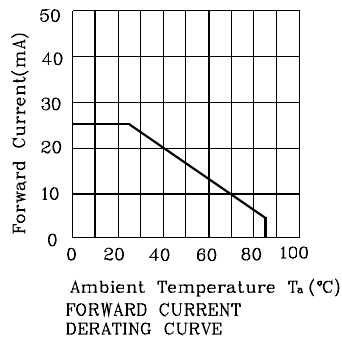
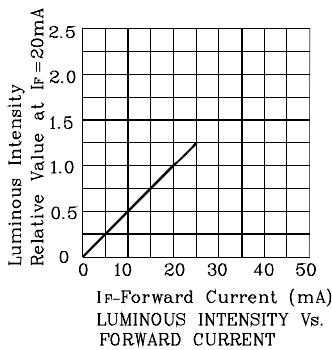
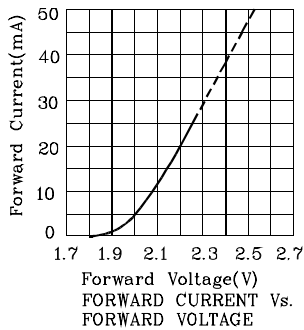
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.



❖ UR



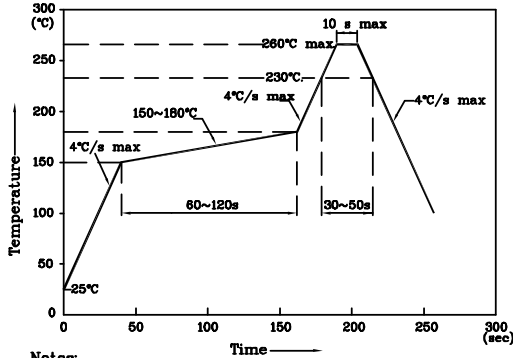
❖ MG



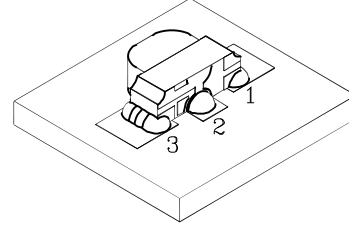
LED is recommended for reflow soldering and soldering profile is shown below.

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

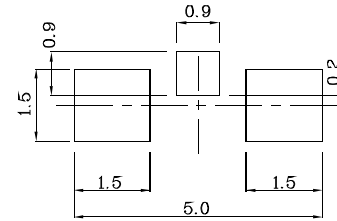
Reflow Soldering Profile for SMD Products (Pb-Free Components)



- 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

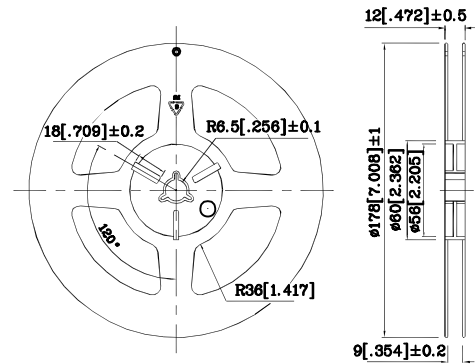
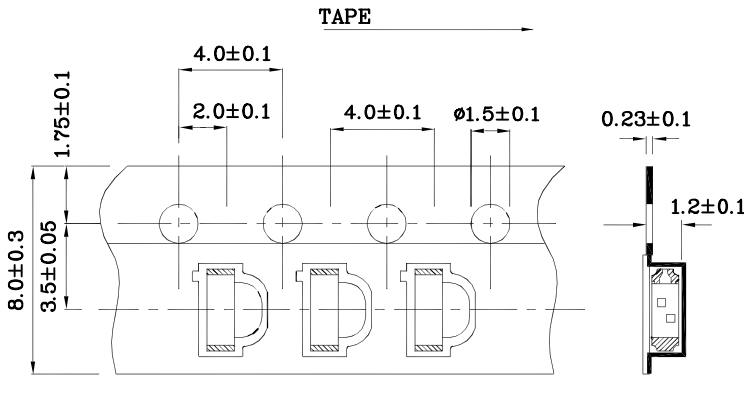


❖ Recommended Soldering Pattern (Units : mm; Tolerance: ± 0.1)



❖ Tape Specification (Units : mm)

❖ Reel Dimension



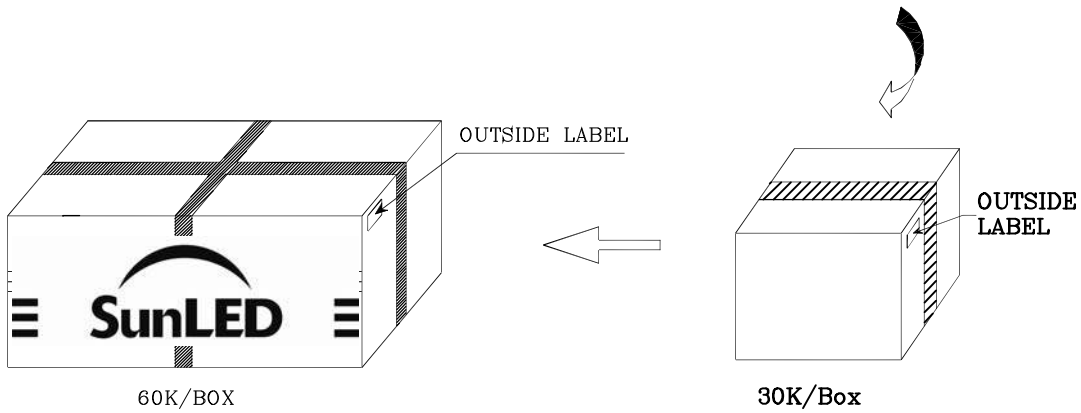
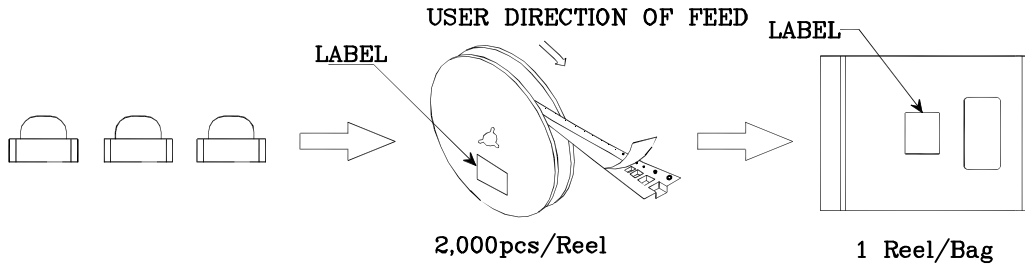
Remarks:


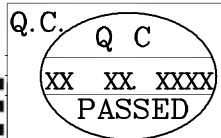

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS



		
P/NO : XZxxx56x		
QTY : 2,000 pcs	CODE: XXX	
S/N : XX		
LOT NO :		
 XXXXXXXXXXXXXXXXXXXXXXXXXX		
RoHS Compliant		

TERMS OF USE

1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
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