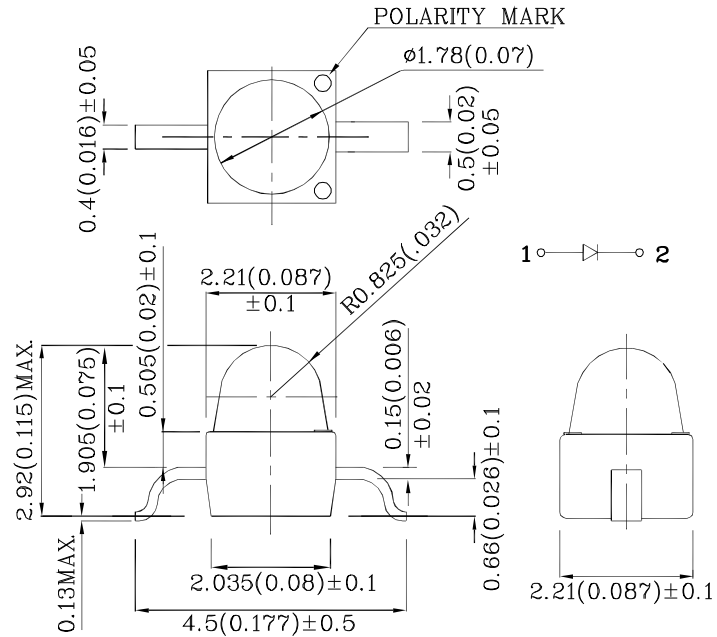


Features

- Ideal for indication light on hand held products
- Long life and robust package
- Variety of lens types and color choices available
- Package :1000pcs / reel
- Moisture sensitivity level : level 3
- RoHS compliant



Package Schematics



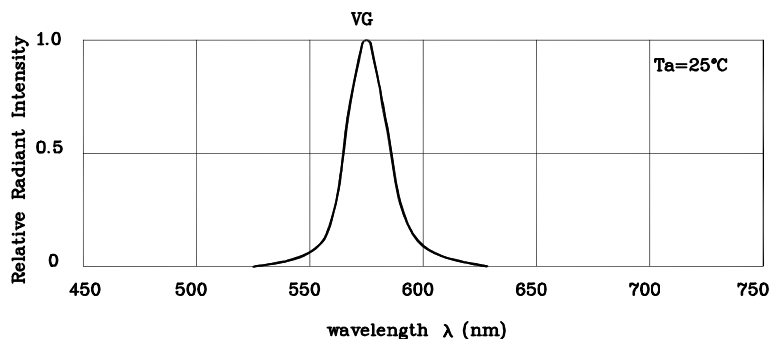
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

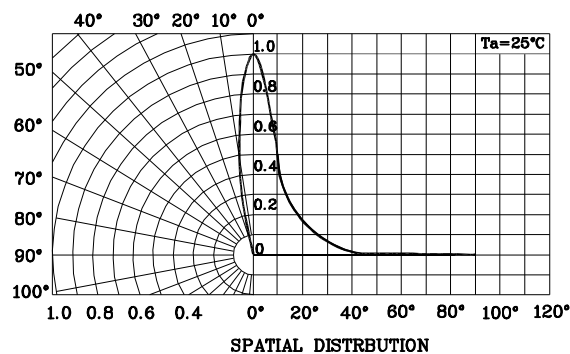
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		VG (AlGaInP)	Unit
Reverse Voltage	V_R	5	V
Forward Current	I_F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	150	mA
Power Dissipation	P_D	75	mW
Operating Temperature	T_A	-40 ~ +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +85	

Operating Characteristics ($T_A=25^\circ\text{C}$)		VG (AlGaInP)	Unit
Forward Voltage (Typ.) ($I_F=20\text{mA}$)	V_F	2.1	V
Forward Voltage (Max.) ($I_F=20\text{mA}$)	V_F	2.5	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	μA
Wavelength of Peak Emission (Typ.) ($I_F=20\text{mA}$)	λ_P	574	nm
Wavelength of Dominant Emission (Typ.) ($I_F=20\text{mA}$)	λ_D	570	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=20\text{mA}$)	$\Delta\lambda$	20	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

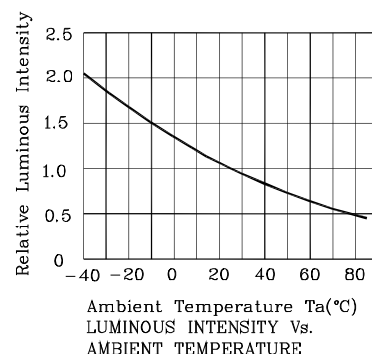
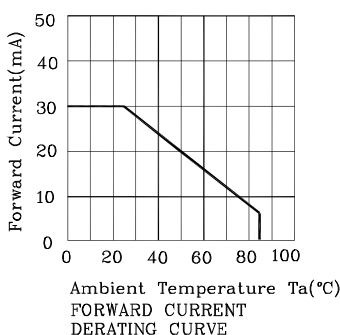
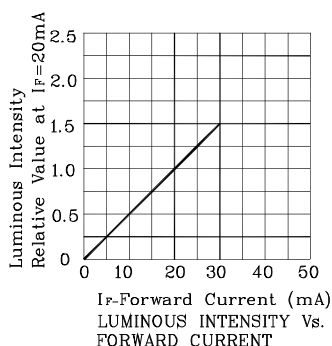
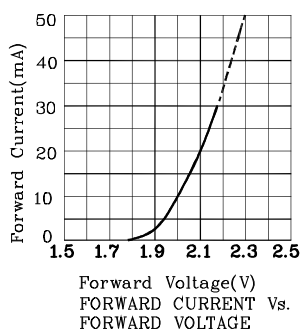
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XZVG64W-3	Green	AlGaInP	Water Clear	400	597	574	20°



RELATIVE INTENSITY Vs. WAVELENGTH

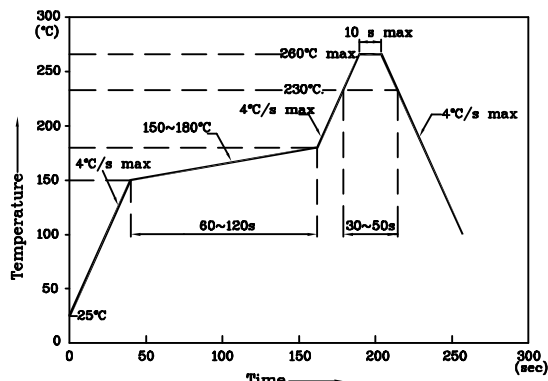


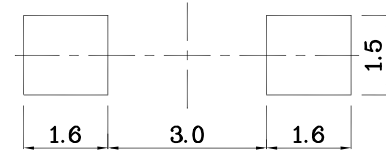
❖ VG



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

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





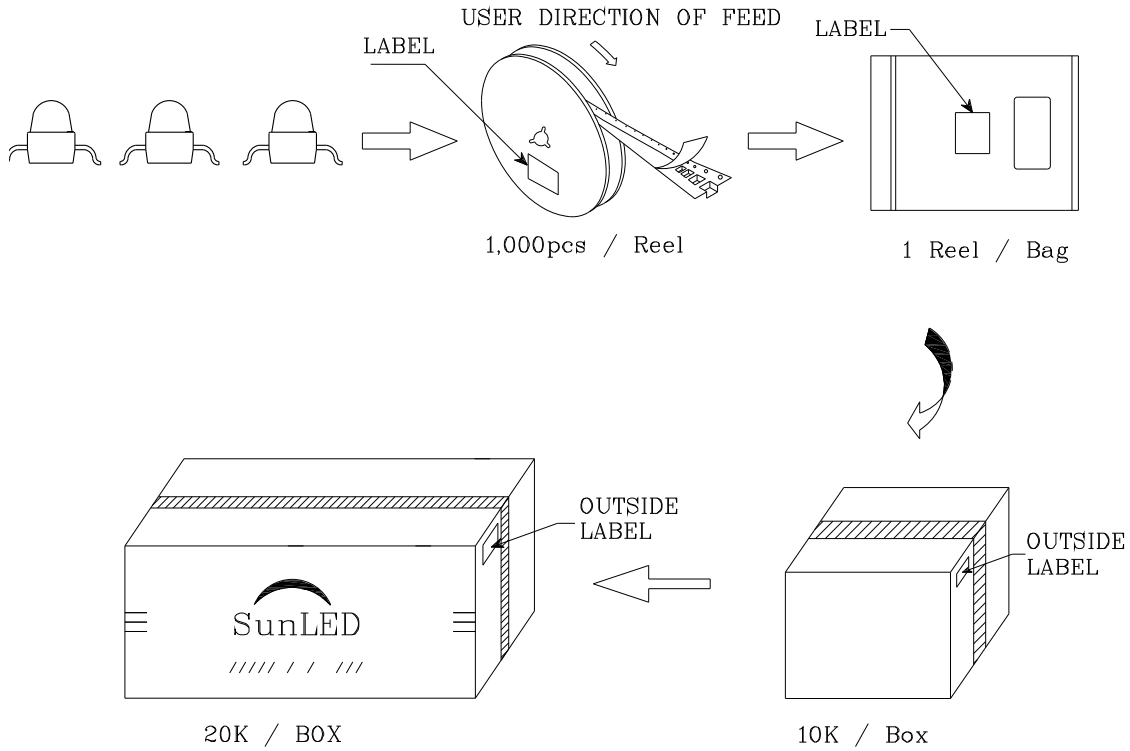
Technical drawing of a mechanical part showing top and side views with dimensions:

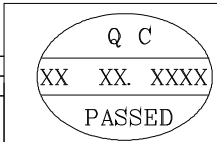
- Top View Dimensions:**
 - Outer diameter: $6[.236]$
 - Inner diameter: $\phi 3[.5]$
 - Radial dimension: $2.1[.083] \pm 0.2$
 - Distance from center to outer edge: $33.5[1.319]$
 - Distance from center to inner edge: $16.55[.652] \pm 0.2$
 - Radius of inner feature: $R59[R2.323]$
 - Distance from center to bottom edge: $83[3.268]$
 - Distance from center to top edge: $13.7[.539] \pm 0.2$
- Side View Dimensions:**
 - Outer diameter: $\phi 178[7.008] \pm 1$

Technical drawing of a tape with dimensions and a cross-section. The top view shows a tape with a width of 12 ± 0.3 and a length of 5.5 ± 0.05 . The tape has four circular holes with a diameter of $\phi 1.5 \pm 0.1$. The distance between the centers of the holes is 4.0 ± 0.1 . The distance from the left edge to the center of the first hole is 2.0 ± 0.1 . The distance from the right edge to the center of the last hole is 0.3 ± 0.1 . The distance from the top edge to the center of the holes is 1.75 ± 0.1 . The distance from the bottom edge to the center of the holes is 3.05 ± 0.1 . The tape has a cross-section showing a central core and two side layers. The cross-section also shows a central core and two side layers. The cross-section shows a central core and two side layers. The cross-section shows a central core and two side layers.

P. 3/4

PACKING & LABEL SPECIFICATIONS



		
P/NO : XZxx64x-3		
QTY : 1,000 pcs		CODE: XXX
S/N : XX		
LOT NO:  XXXXXXXXXXXXXXXXXXXX		
RoHS Compliant		