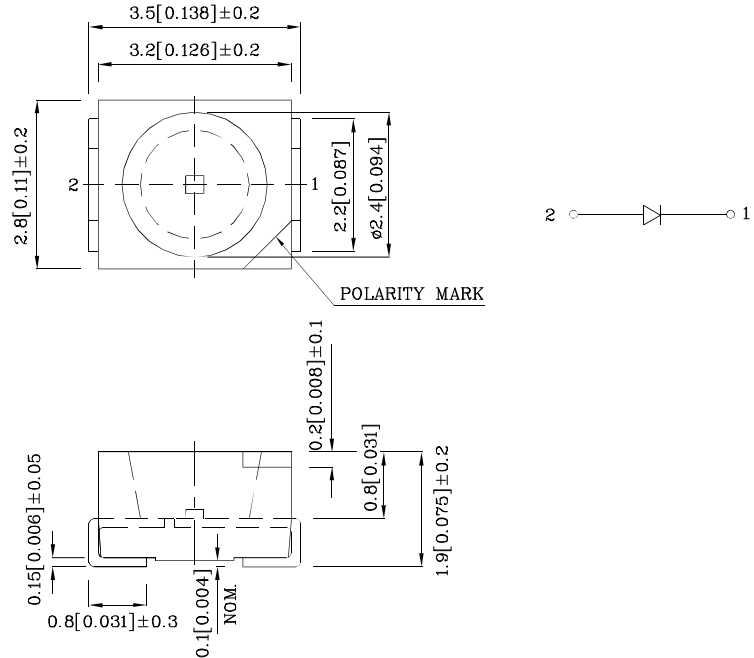


Features

- Ideal for indication light on hand held products
- Long life and robust package
- Standard Package: 2000pcs/ Reel
- MSL (Moisture Sensitivity Level): 4
- RoHS compliant



Package Schematics

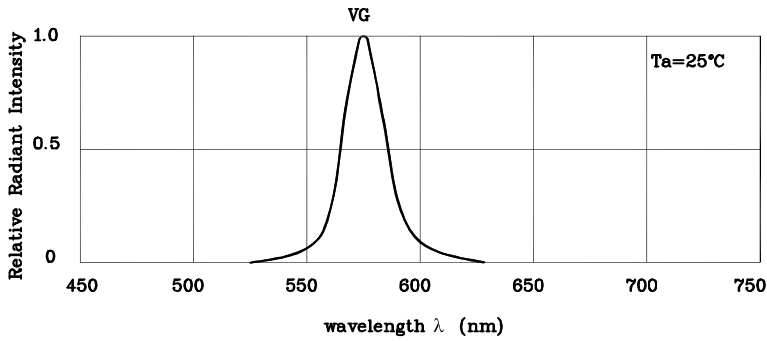


Absolute Maximum Ratings (T _A =25°C)		VG (AlGaInP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	150	mA
Power Dissipation	P _D	75	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

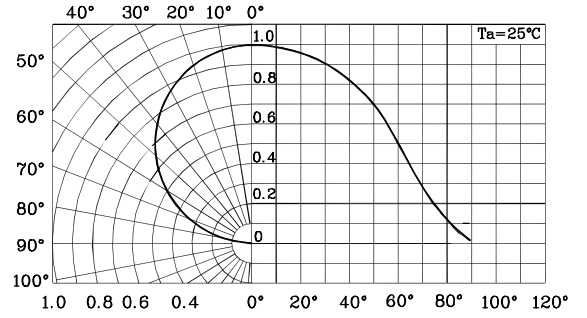
Operating Characteristics (T _A =25°C)		VG (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	2.1	V
Forward Voltage (Max.) (I _F =20mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	µA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =20mA)	λ _P	574*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =20mA)	λ _D	570*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =20mA)	Δλ	20	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* (I _F =20mA) mcd		Wavelength CIE127-2007* nm λ _P	Viewing Angle 2θ 1/2
				min.	typ.		
ZVG45WT	Green	AlGaInP	Water Clear	40*	98*	574*	120°

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

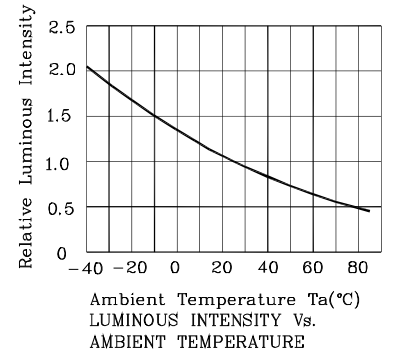
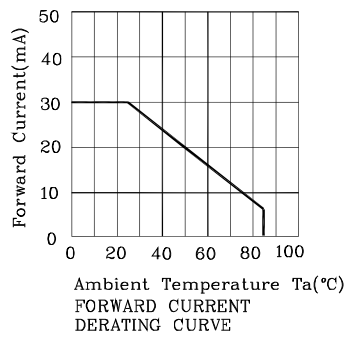
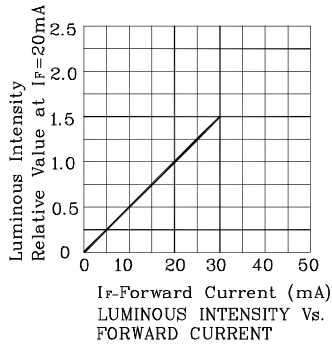
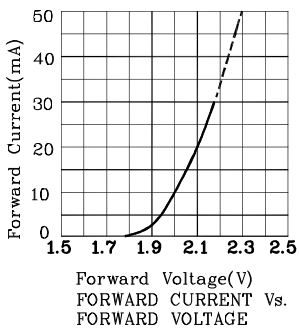


RELATIVE INTENSITY Vs. CIE WAVELENGTH



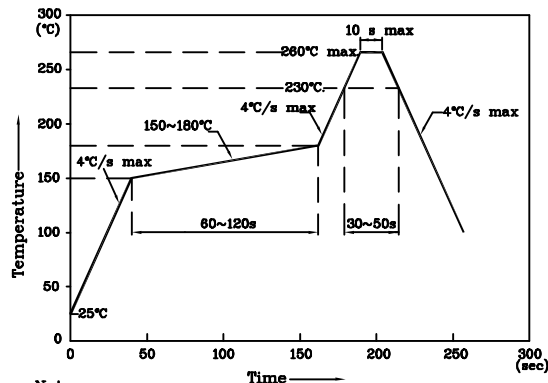
SPATIAL DISTRIBUTION

❖ VG



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

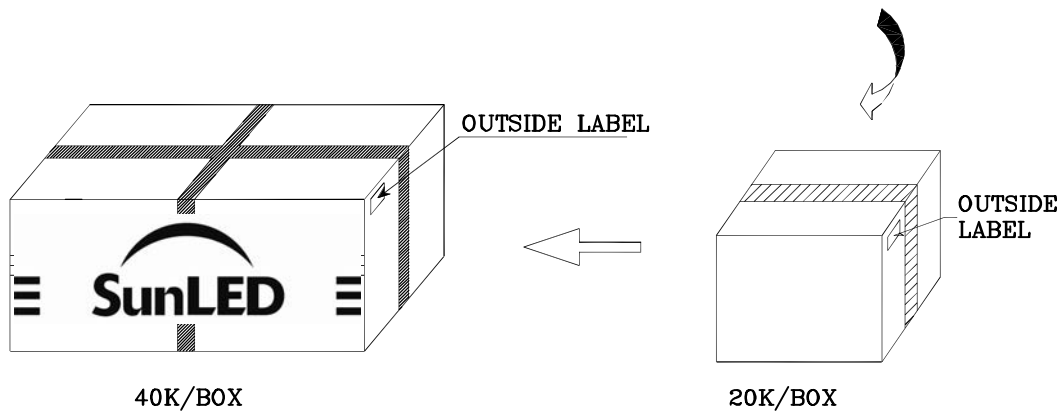
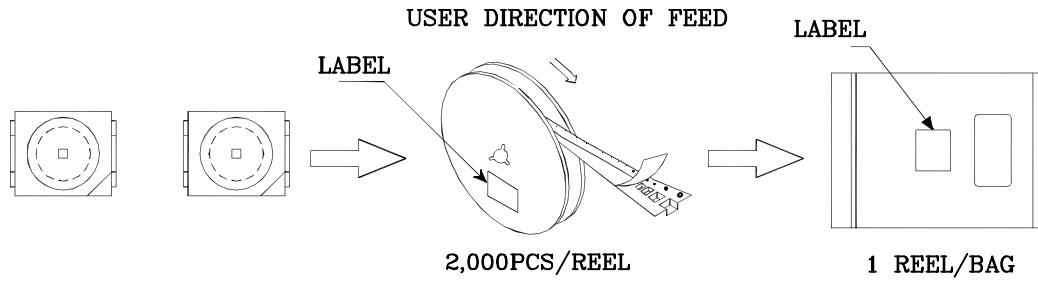

Reflow Soldering Profile for SMD Products (Pb-Free Components)

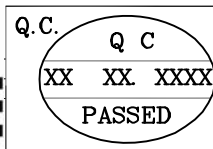



Notes:

1. Maximum soldering temperature should not exceed 280°C
2. Recommended reflow temperature: 145°C-260°C
3. Do not put stress to the epoxy resin during high temperatures conditions

PACKING & LABEL SPECIFICATIONS

	
P/NO : Zxxx45x	
QTY : 2,000 pcs	CODE: XXX
S/N : XX	
LOT NO:	
	
RoHS Compliant	

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1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
2. Contents within this document are subject to improvement and enhancement changes without notice.
3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please consult with a SunLED representative for special applications where the LED may have a direct impact on a person's life.
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