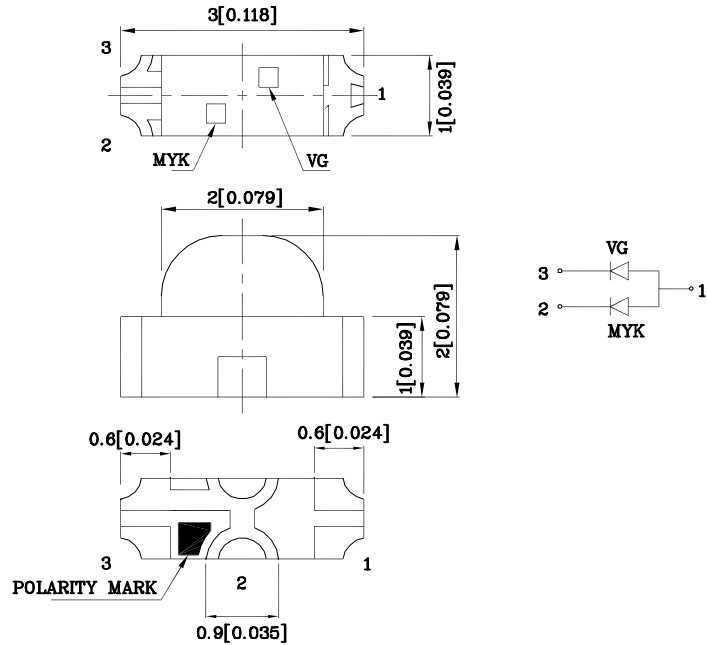


Features

- Ideal for indication light on hand held products
- Long life and robust package
- Variety of lens types and color choices available
- Package : 2000 pcs / reel
- Moisture sensitivity level : level 3
- RoHS compliant



Package Schematics



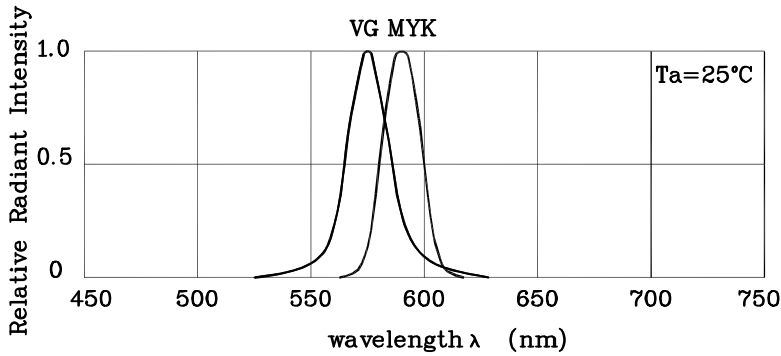
Notes:

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.

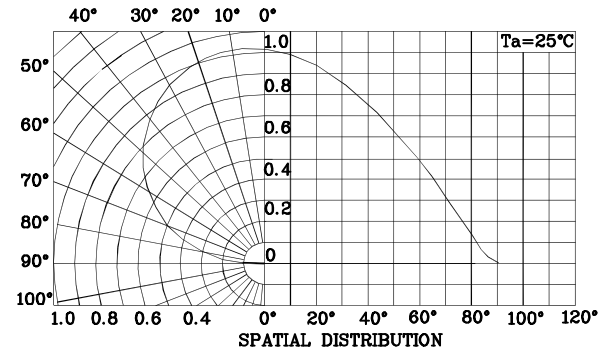
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		MYK (AlGaInP)	VG (AlGaInP)	Unit
Reverse Voltage	V_R	5	5	V
Forward Current	I_F	30	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	175	150	mA
Power Dissipation	P_D	75	75	mW
Operating Temperature	T_A	-40 ~ +85		°C
Storage Temperature	T_{stg}	-40 ~ +85		

Operating Characteristics ($T_A=25^\circ\text{C}$)		MYK (AlGaInP)	VG (AlGaInP)	Unit
Forward Voltage (Typ.) ($I_F=20\text{mA}$)	V_F	2	2.1	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 (Typ.) ($I_F=20\text{mA}$)	λ_P	590	574	nm
Wavelength of Dominant Emission (Typ.) ($I_F=20\text{mA}$)	λ_D	590	570	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=20\text{mA}$)	$\Delta\lambda$	20	20	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	20	15	pF

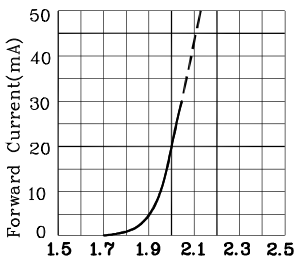
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle 20 1/2
				min.	typ.		
ZMYKVG56WT-5	Yellow	AlGaInP	Water Clear	80	118	590	140°
	Green	AlGaInP		40	69	574	



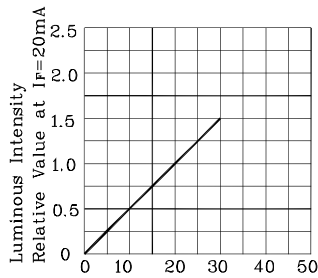
RELATIVE INTENSITY Vs. WAVELENGTH



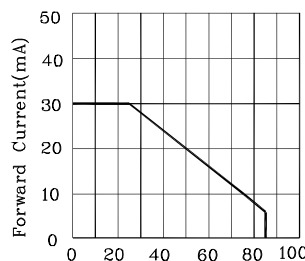
❖ MYK



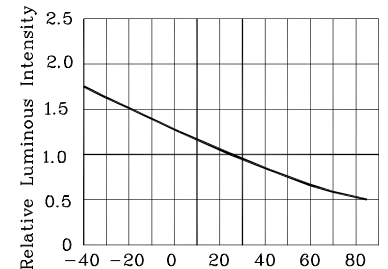
Forward Voltage(V)
FORWARD CURRENT Vs.
FORWARD VOLTAGE



If-Forward Current (mA)
LUMINOUS INTENSITY Vs.
FORWARD CURRENT

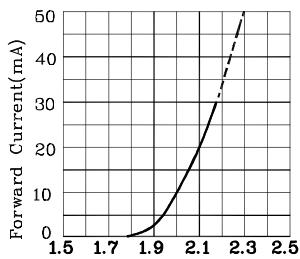


Ambient Temperature Ta(°C)
FORWARD CURRENT
DERATING CURVE

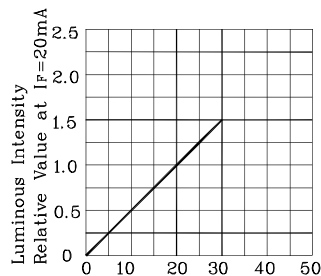


Ambient Temperature Ta(°C)
LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

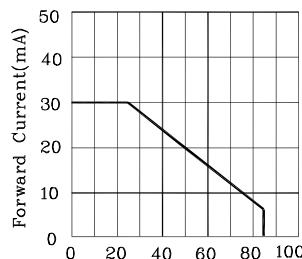
❖ VG



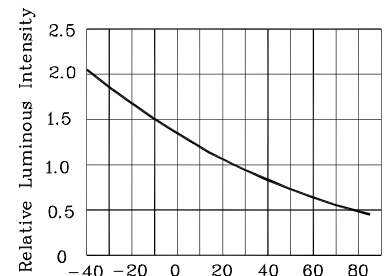
Forward Voltage(V)
FORWARD CURRENT Vs.
FORWARD VOLTAGE



If-Forward Current (mA)
LUMINOUS INTENSITY Vs.
FORWARD CURRENT



Ambient Temperature Ta(°C)
FORWARD CURRENT
DERATING CURVE



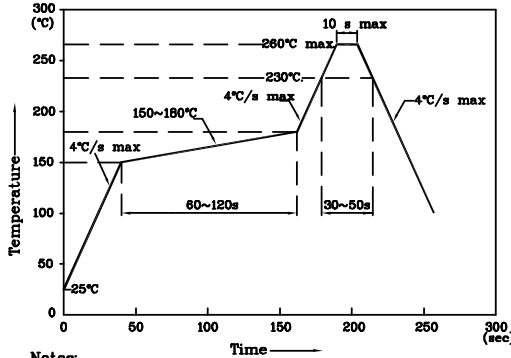
Ambient Temperature Ta(°C)
LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



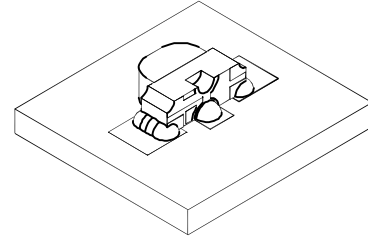
LED is recommended for reflow soldering and soldering profile is shown below.

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

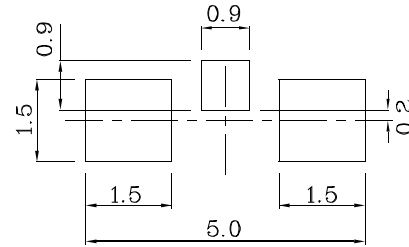
Reflow Soldering Profile for SMD Products (Pb-Free Components)



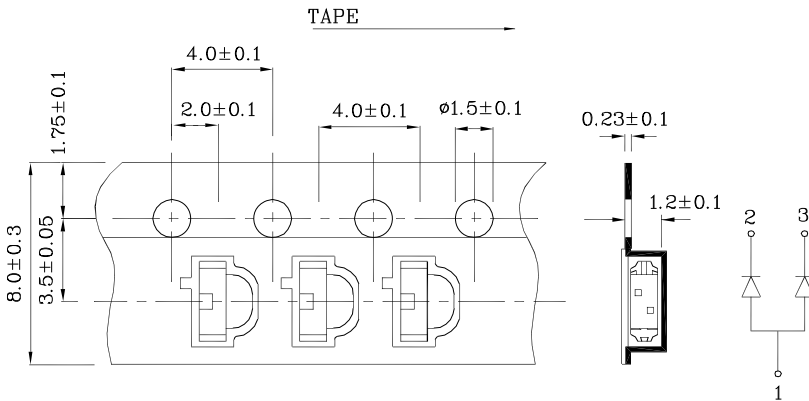
- Notes:
1. Maximum soldering temperature should not exceed 260°C
 2. Recommended reflow temperature: 145°C-260°C
 3. Do not put stress to the epoxy resin during high temperatures conditions



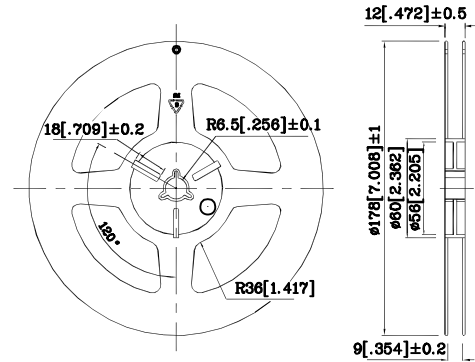
❖ Recommended Soldering Pattern (Units : mm; Tolerance: ± 0.1)



❖ Tape Specification (Units : mm)



❖ Reel Dimension



Remarks:

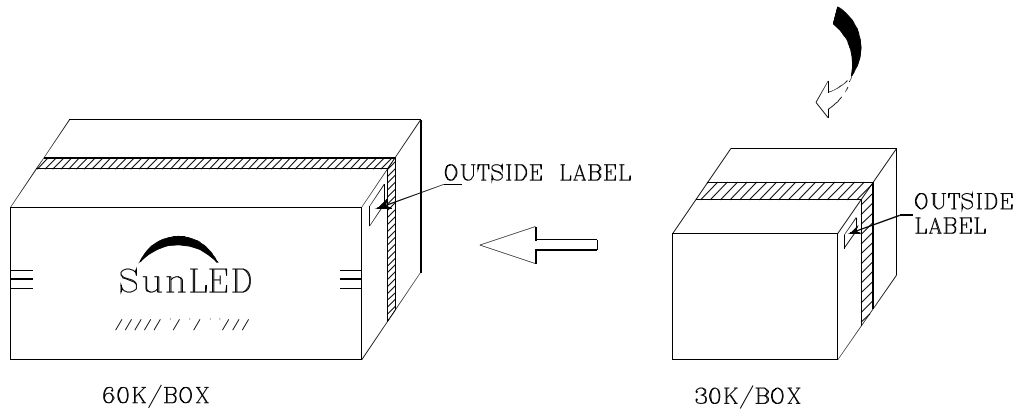
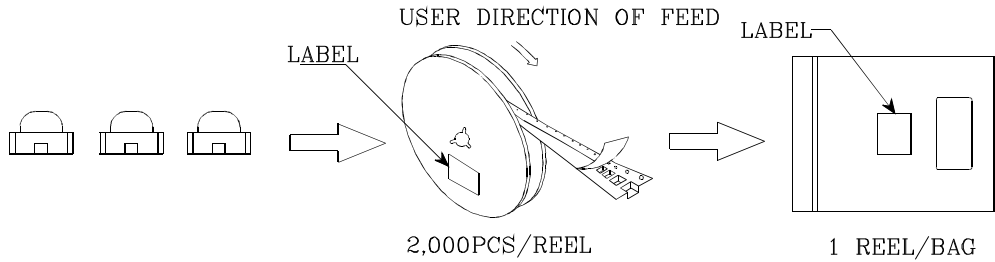

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

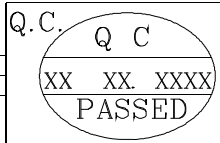

1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.



PACKING & LABEL SPECIFICATIONS

	
P/N0 : Zxxx56x	
QTY : 2,000 pcs	CODE: XXX
S/N : XX	
LOT NO :	
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	