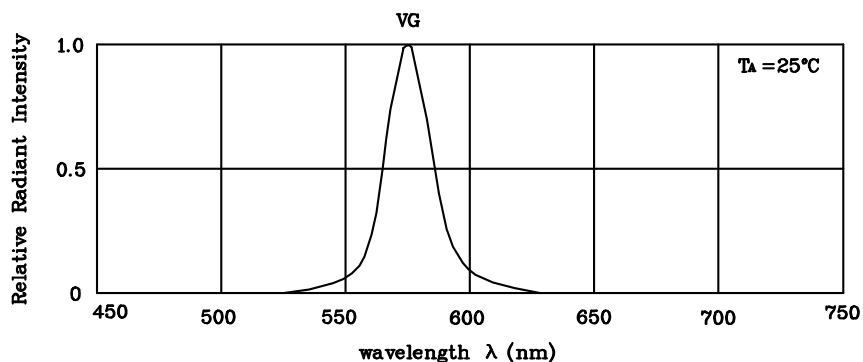
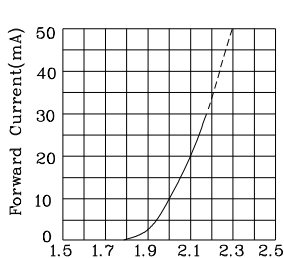


| Part Number                   | Emitting Color | Emitting Material     | Lens-color  | Luminous Intensity (IF=20mA)<br>mcd | Wavelength<br>nm<br>λ P | Viewing Angle<br>2 θ 1/2 |
|-------------------------------|----------------|-----------------------|-------------|-------------------------------------|-------------------------|--------------------------|
|                               |                |                       |             | min.                                | typ.                    |                          |
| ZVG55W                        | Green          | InGaAlP               | Water Clear | 10                                  | 39                      | 574 120°                 |
|                               |                |                       |             |                                     |                         |                          |
|                               |                |                       |             |                                     |                         |                          |
| Published Date : FEB 27 ,2008 |                | Drawing No : SDSA0641 |             | V4                                  | Checked : B.L.LIU       | P.1/4                    |

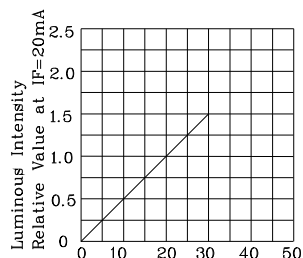


RELATIVE INTENSITY Vs. WAVELENGTH

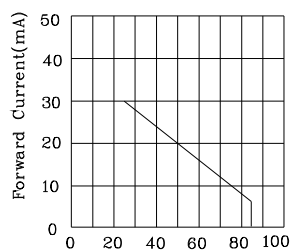
❖ VG



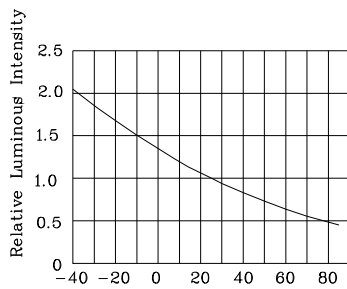
FORWARD CURRENT Vs.  
FORWARD VOLTAGE



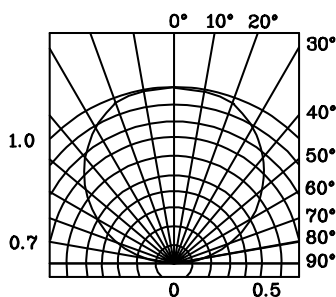
LUMINOUS INTENSITY Vs.  
FORWARD CURRENT



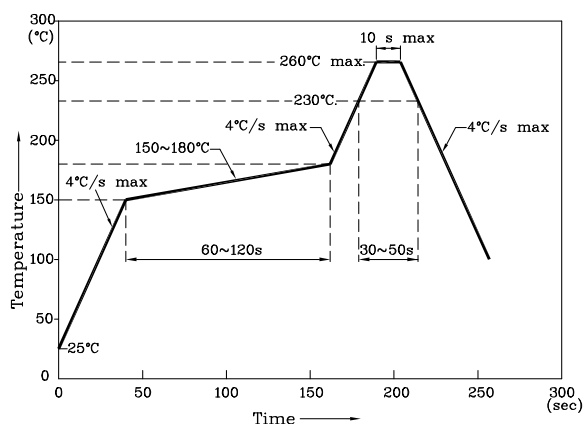
FORWARD CURRENT  
DERATING CURVE



LUMINOUS INTENSITY Vs.  
AMBIENT TEMPERATURE



Reflow Soldering Profile For Lead-free SMT Process.



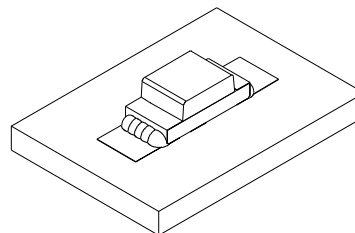
NOTES:

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.

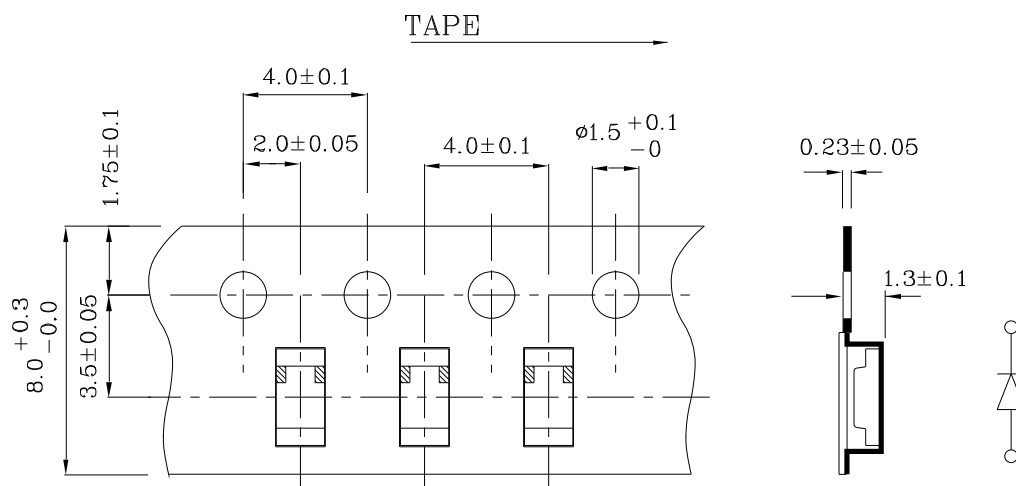
❖ Recommended Soldering Pattern  
(Units : mm; Tolerance:  $\pm 0.1$ )



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



❖ Tape Specification (Units : mm)



Remarks:

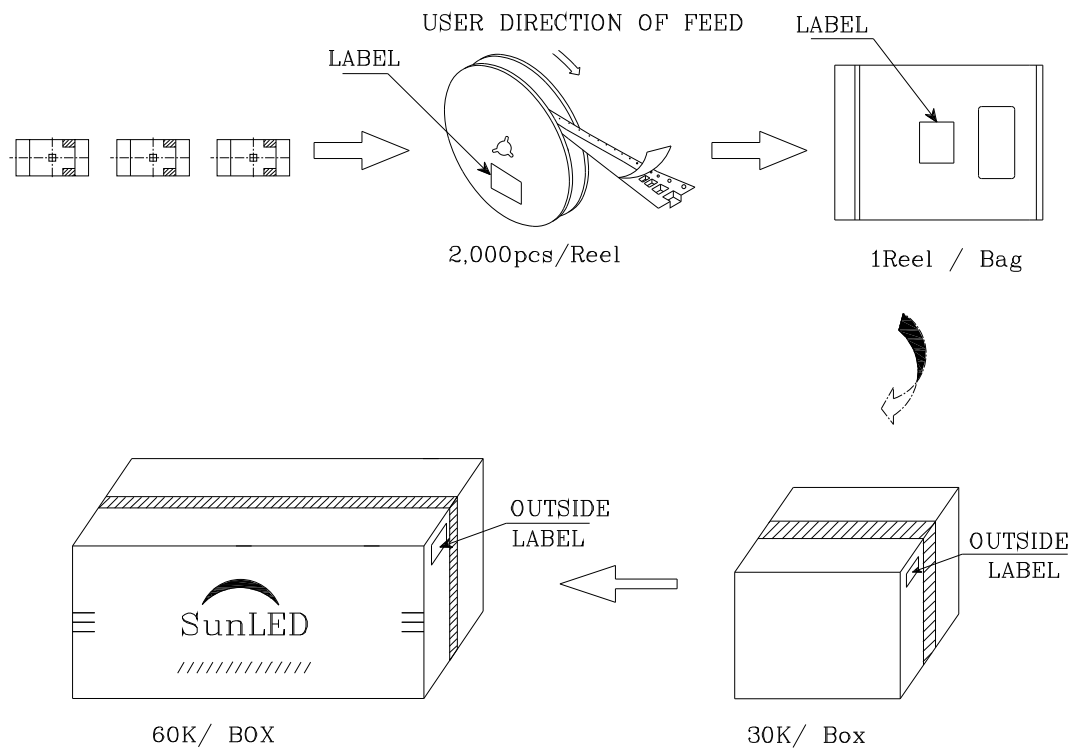
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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**

**ZVG55W**



|                              |  |                                   |
|------------------------------|--|-----------------------------------|
|                              |  | Q.C. Q.C.<br>XX XX XXXX<br>PASSED |
| P/NO : Zxxx55x               |  |                                   |
| QTY : 2,000 pcs              |  | CODE: XXX                         |
| S/N : XX                     |  |                                   |
| LOT NO:                      |  |                                   |
| <br>xxxxxxxxxxxxxxxxxxxxxxxx |  |                                   |
| RoHS Compliant               |  |                                   |