

## Features

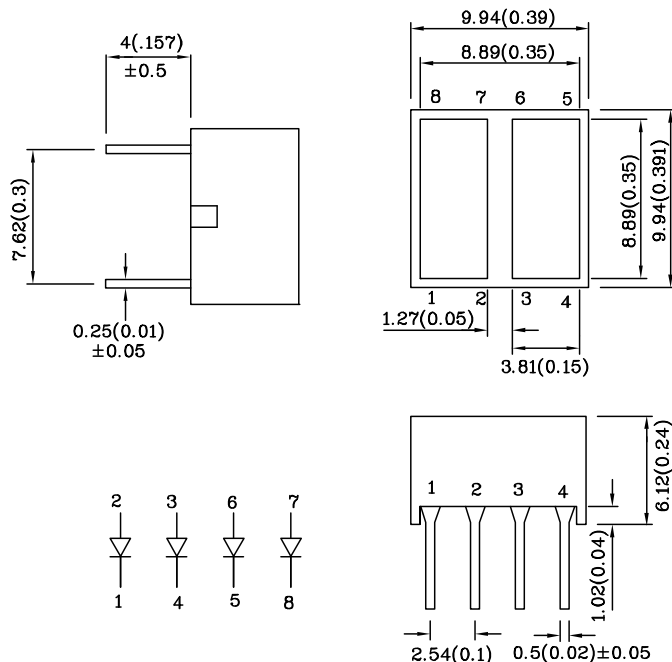
- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- EXCELLENT ON/OFF CONTRAST.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- RoHS COMPLIANT.



## Notes:

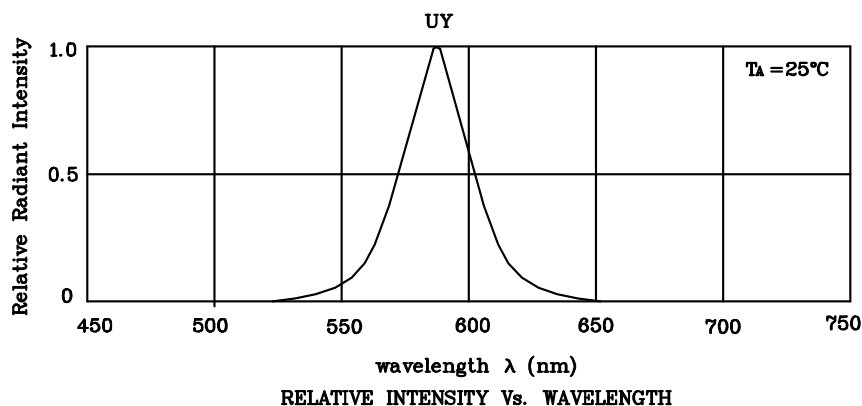
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subject to change without notice.

| Absolute Maximum Ratings<br>(TA=25°C)                          |                       | UY<br>(GaAsP/GaP) | Unit |
|----------------------------------------------------------------|-----------------------|-------------------|------|
| Reverse Voltage                                                | VR                    | 5                 | V    |
| Forward Current                                                | IF                    | 30                | mA   |
| Forward Current (Peak)<br>1/10 Duty Cycle<br>0.1ms Pulse Width | iFS                   | 140               | mA   |
| Power Dissipation                                              | PT                    | 75                | mW   |
| Operating Temperature                                          | TA                    | -40 ~ +85         | °C   |
| Storage Temperature                                            | Tstg                  | -40 ~ +85         |      |
| Lead Solder Temperature<br>[2mm Below Package Base]            | 260°C For 3~5 Seconds |                   |      |

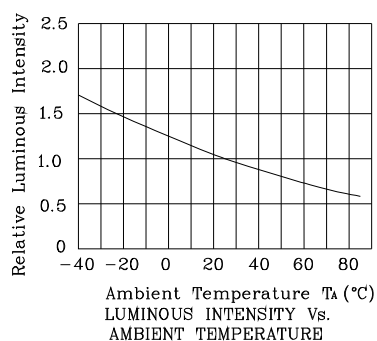
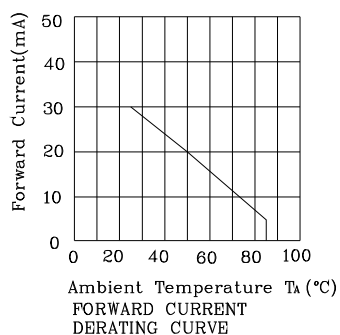
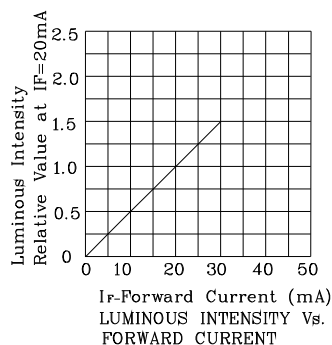
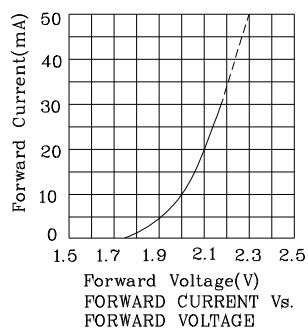


| Operating Characteristics<br>(TA=25°C)                          |     | UY<br>(GaAsP/GaP) | Unit |
|-----------------------------------------------------------------|-----|-------------------|------|
| Forward Voltage (Typ.)<br>(IF=20mA)                             | VF  | 2.1               | V    |
| Forward Voltage (Max.)<br>(IF=20mA)                             | VF  | 2.5               | V    |
| Reverse Current (Max.)<br>(VR=5V)                               | IR  | 10                | uA   |
| Wavelength Of Peak<br>Emission (Typ.)<br>(IF=20mA)              | λ P | 590               | nm   |
| Wavelength Of Dominant<br>Emission (Typ.)<br>(IF=20mA)          | λ D | 588               | nm   |
| Spectral Line Full Width At<br>Half-Maximum (Typ.)<br>(IF=20mA) | Δλ  | 35                | nm   |
| Capacitance (Typ.)<br>(VF=0V, f=1MHz)                           | C   | 20                | pF   |

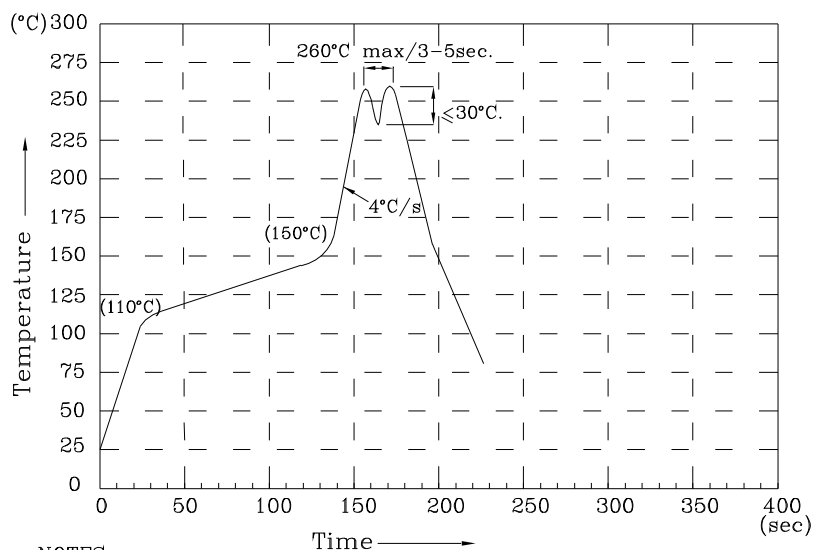
| Part<br>Number | Emitting<br>Color | Emitting<br>Material | Lens-color     | Luminous<br>Intensity<br>(IF=20mA)<br>mcd |      | Wavelength<br>nm<br>λ P |
|----------------|-------------------|----------------------|----------------|-------------------------------------------|------|-------------------------|
|                |                   |                      |                | min.                                      | typ. |                         |
| EUY2700M       | Yellow            | GaAsP/GaP            | White Diffused | 7                                         | 39   | 590                     |



❖ UY



### Wave Soldering Profile For Lead-free Through-hole LED.



#### NOTES:

1. Recommend the wave temperature 245°C~260°C. The maximum soldering temperature should be less than 260°C.
2. Do not apply stress on epoxy resins when temperature is over 85 degree°C.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

#### Remarks:

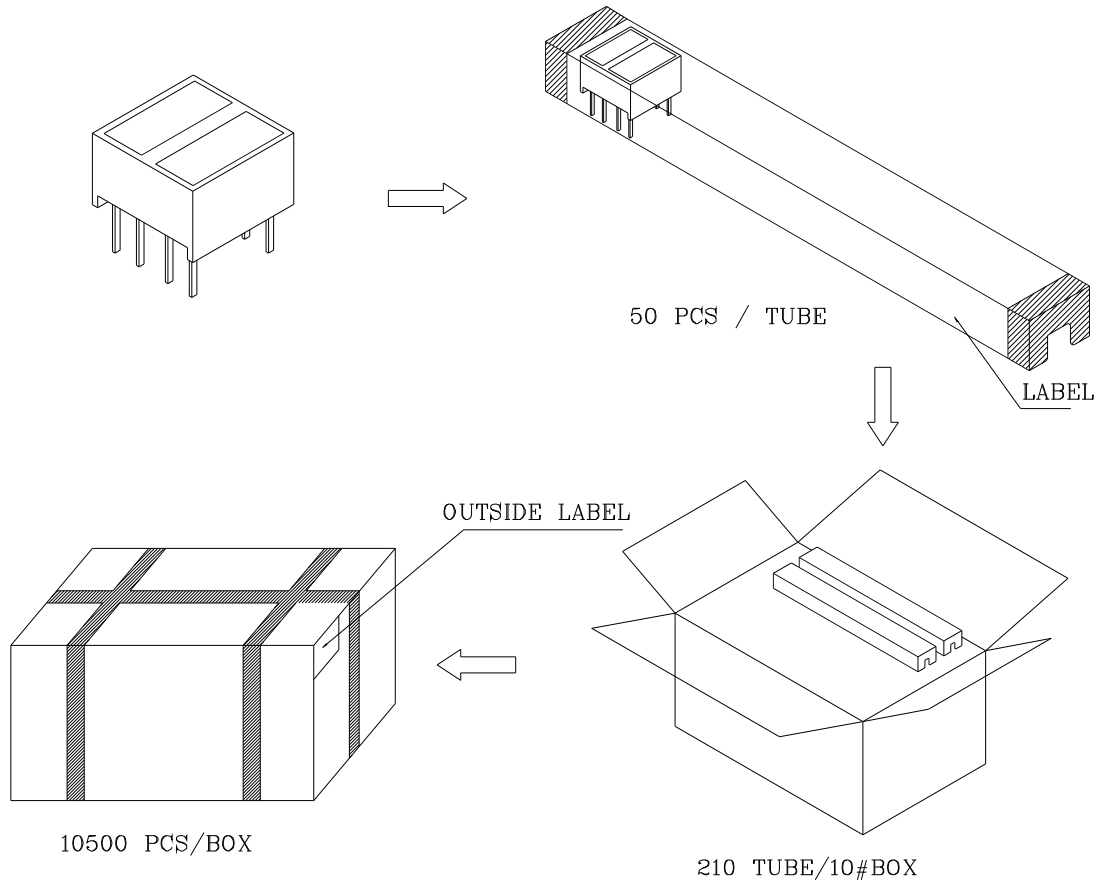
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

## EUY2700M



Inside LABEL Paste On The IC-tube

|                                                                                                                                                              |                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
|  PART NO: Eux2700x<br>QTY: 50 PCS CODE: xx<br>XXXXXXXXXXX-XXXX<br>LOT NO. | Q.C.<br>PASSED<br>XX XX XX<br>FQCX<br>RoHS Compliant<br>Date<br>Number OF FQC |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|

Outside LABEL Paste On The Box

|                           |       |      |          |
|---------------------------|-------|------|----------|
| BOX Number                | xxxx  | xxxx | BIN CODE |
| Eux2700x                  | 10500 | XX   |          |
| Number OF QA<br>Date      |       |      |          |
| QAx<br>xx xx xx<br>PASSED |       |      |          |