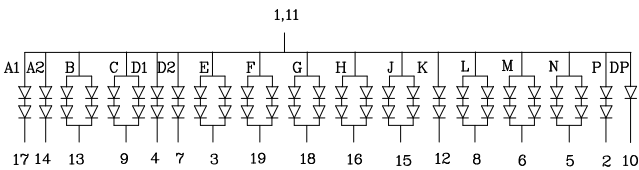
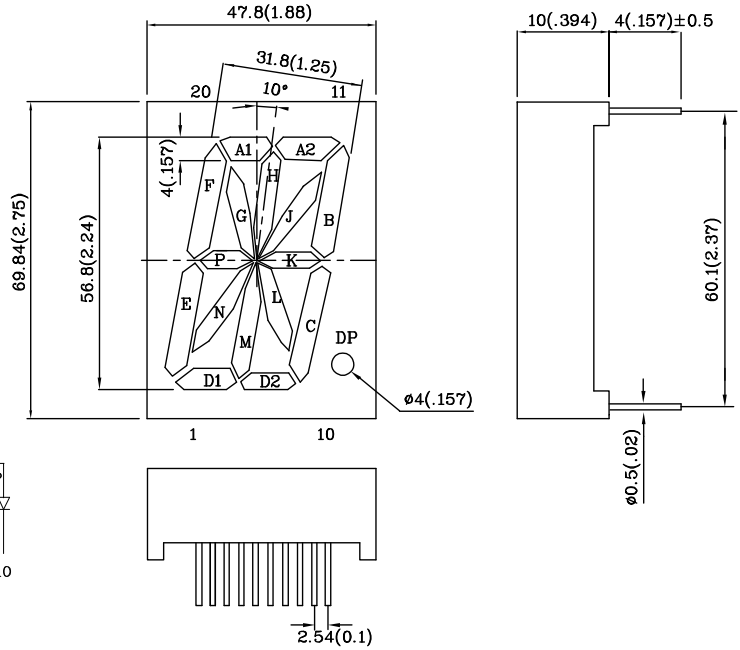


Features

- 2.3 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MECHANICALLY RUGGED.
- STANDARD: GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



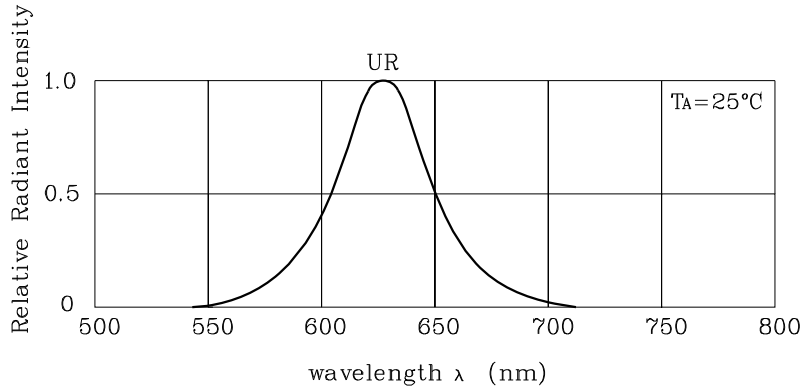
Notes:

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 (TA=25°C) | | | UR (GaAsP/ GaP) | Unit |
|--|-------------------------|-----------------------|-----------------------|------|
| Reverse Voltage | A1,A2,D1, D2,P,K | VR | 10 | V |
| | B,C,E,F,G, H,J,L,M,N | | 10 | |
| | DP | | 5 | |
| Forward Current | A1,A2,D1, D2,P,K | IF | 30 | mA |
| | B,C,E,F,G, H,J,L,M,N | | 60 | |
| | DP | | 30 | |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | A1,A2,D1, D2,P,K | iFS | 160 | mA |
| | B,C,E,F,G, H,J,L,M,N | | 320 | |
| | DP | | 160 | |
| Power Dissipation | A1,A2,D1, D2,P,K | PT | 150 | mW |
| | B,C,E,F,G, H,J,L,M,N | | 300 | |
| | DP | | 75 | |
| Operating Temperature | | TA | -40 ~ +85 | °C |
| Storage Temperature | | Tstg | -40 ~ +85 | |
| Lead Solder Temperature [2mm Below Package Base] | | 260°C For 3~5 Seconds | | |

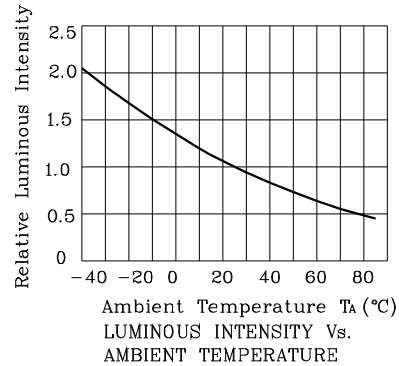
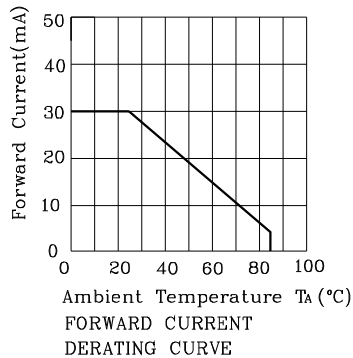
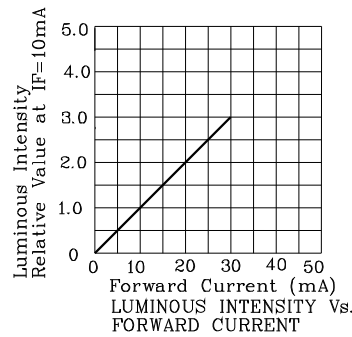
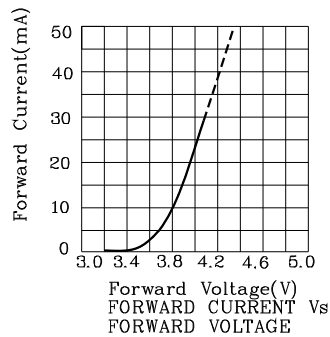
| Operating Characteristics (TA=25°C) | | | UR (GaAsP/ GaP) | Unit |
|---|-------------------------|-----------------|-----------------------|------|
| Forward Voltage (Typ.) (IF=10mA) | A1,A2,D1,D2, P,K | VF | 3.8 | V |
| | B,C,E,F,G,H, J,L,M,N | | | |
| | DP | | 1.9 | |
| Forward Voltage (Max.) (IF=10mA) | A1,A2,D1,D2, P,K | VF | 5 | V |
| | B,C,E,F,G,H, J,L,M,N | | | |
| | DP | | 2.5 | |
| Reverse Current (Max.) (VR=10V) | A1,A2,D1,D2, P,K | IR | 10 | uA |
| Reverse Current (Max.) (VR=10V) | B,C,E,F,G,H, J,L,M,N | | 20 | |
| Reverse Current (Max.) (VR=5V) | DP | | 10 | |
| Wavelength of Peak Emission (Typ.) (IF=10mA) | | λP | 627 | nm |
| Wavelength of Dominant Emission (Typ.) (IF=10mA) | | λD | 625 | nm |
| Spectral Line Full Width At Half- Maximum (Typ.) (IF=10mA) | | $\Delta\lambda$ | 45 | nm |
| Capacitance (Typ.) (VF=0V, f=1MHz) | | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity (IF=10mA) ucd | | Wavelength nm λ P | Description |
|-------------|----------------|-------------------|-------------------------------------|------|---------------------------------|--------------------------------|
| | | | min. | typ. | | |
| AUR60A | Red | GaAsP/GaP | 1900 | 7990 | 627 | Common Anode, Rt. Hand Decimal |

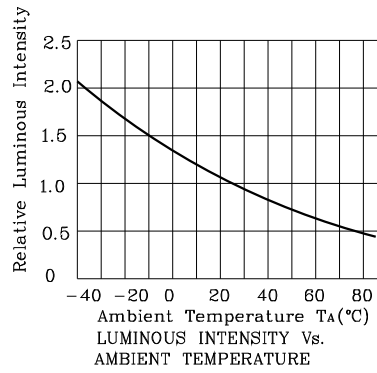
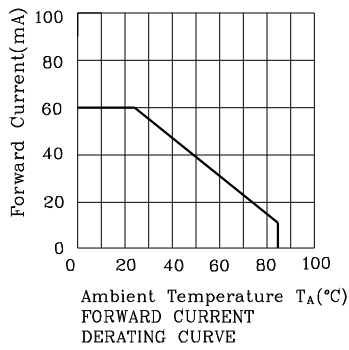
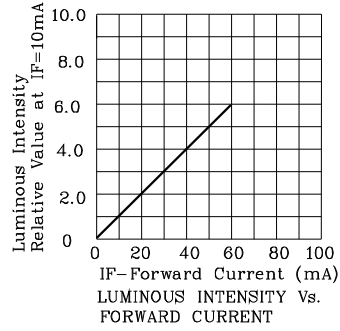
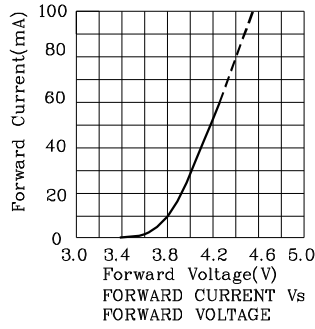


RELATIVE INTENSITY Vs. WAVELENGTH

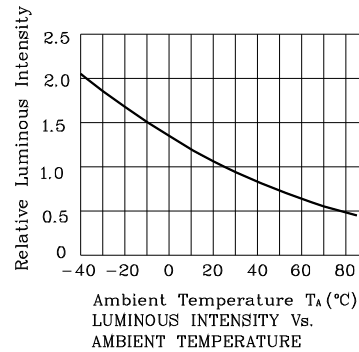
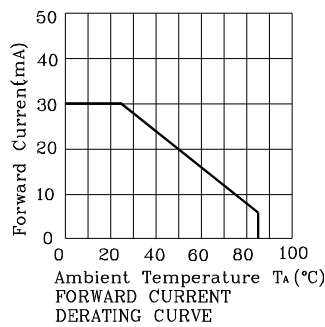
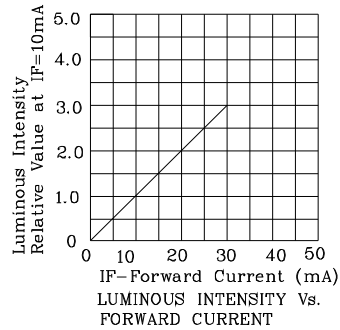
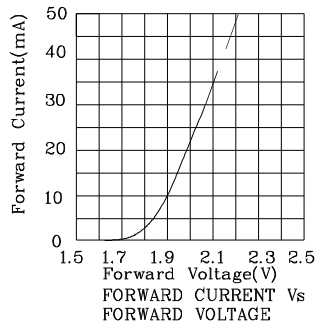
❖ UR



Note:the curves are on the segment a1,a2,d1,d2,p,k.

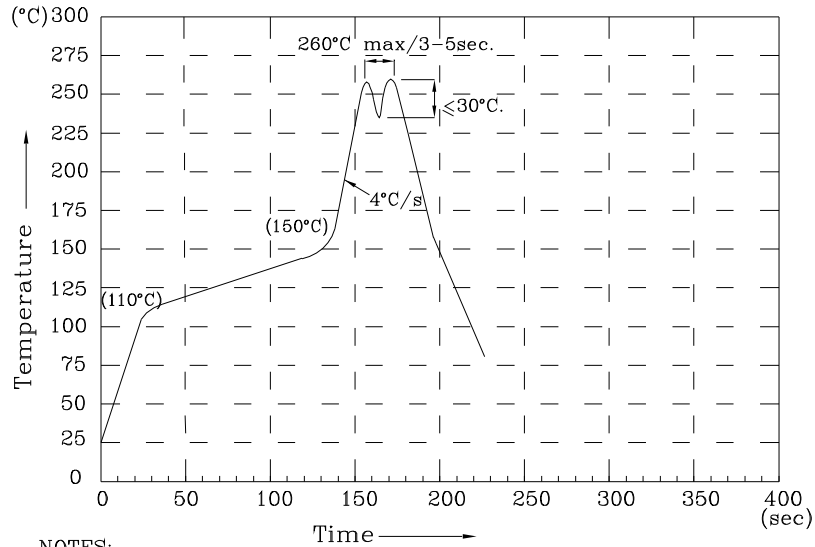


Note:the curves are on the segment b,c,e,f,g,h,j,l,m,n.



Note:the curves are on the DP.

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:

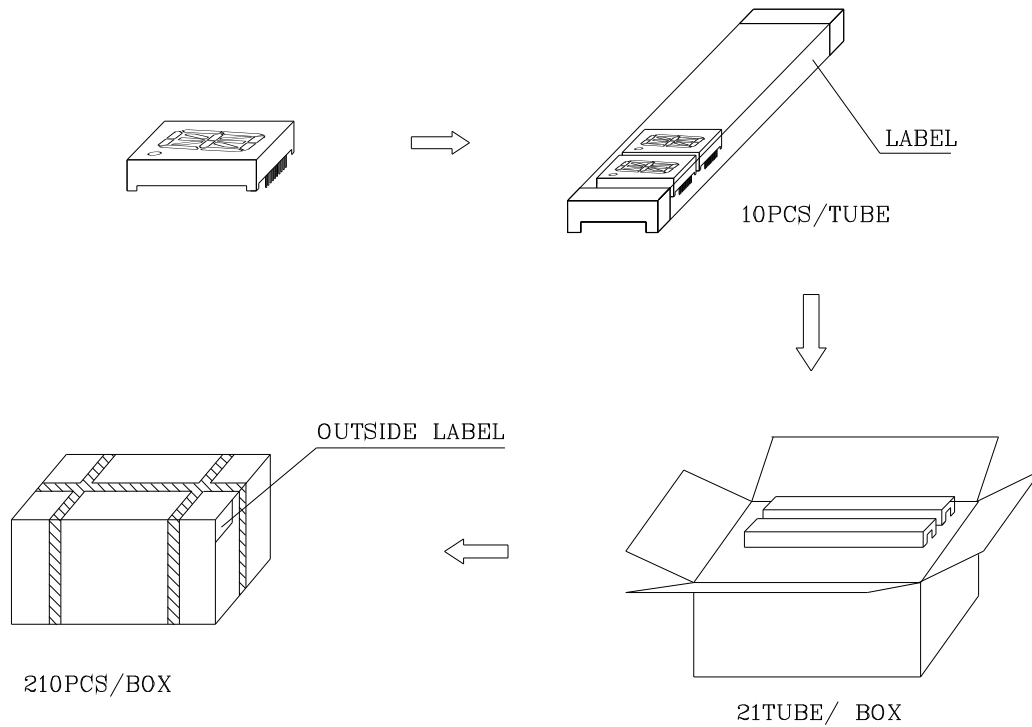
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

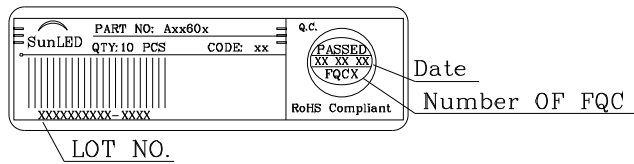
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

AUR60A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

