

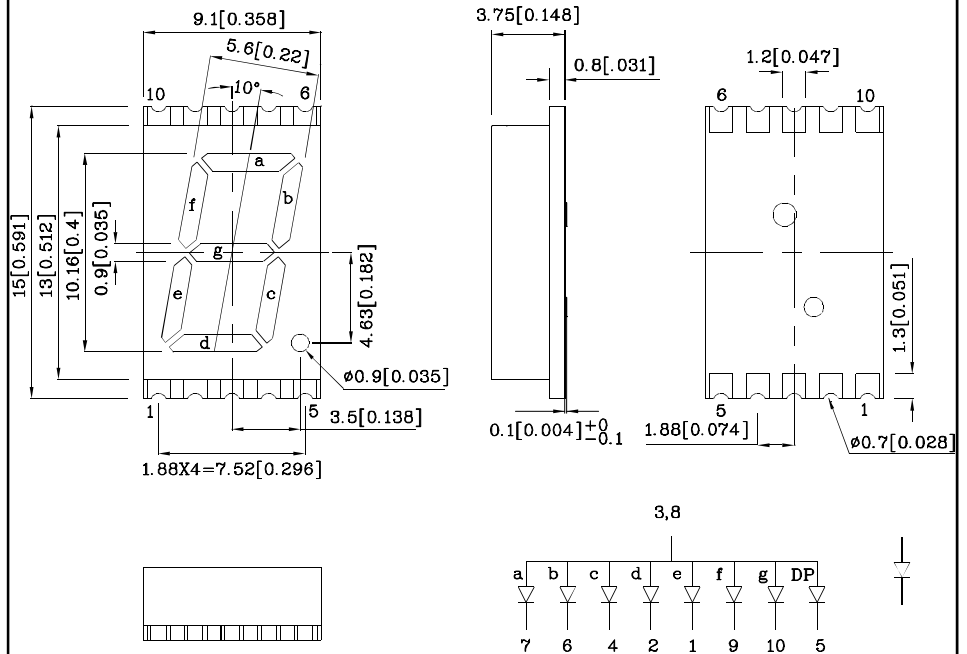
Features

- 0.4 inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 400pcs/ Reel
- MSL (Moisture Sensitivity Level): 2a
- RoHS compliant



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Package Schematics



Notes:

1. All dimensions are in millimeters (inches), Tolerance is ± 0.25 (0.01") unless otherwise noted.
2. Specifications are subject to change without notice.
3. The gap between the reflector and PCB shall not exceed 0.25mm.

| Absolute Maximum Ratings (T _A =25°C) | | Yellow (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} | 175 | mA |
| Power Dissipation | P _D | 75 | mW |
| Operating Temperature | T _A | -40 ~ +85 | °C |
| Storage Temperature | T _{stg} | -40 ~ +85 | |

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

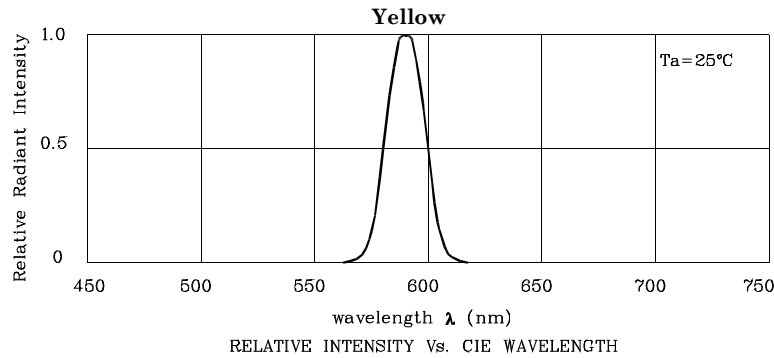
| Operating Characteristics (T _A =25°C) | | Yellow (AlGaInP) | Unit |
|--|----------------|---------------------|------|
| Forward Voltage (Typ.) (I _F =10mA) | V _F | 1.95 | V |
| Forward Voltage (Max.) (I _F =10mA) | V _F | 2.5 | V |
| Reverse Current (Max.) (V _R =5V) | I _R | 10 | uA |
| Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA) | λ _P | 590* | nm |
| Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA) | λ _D | 590* | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA) | Δλ | 20 | nm |
| Capacitance (Typ.) (V _F =0V, f=1MHz) | C | 20 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity CIE127-2007* (I _F =10mA) ucd | | Wavelength CIE127-2007* nm λ _P | Description |
|----------------|-------------------|----------------------|---|-----------------|--|-----------------------------------|
| | | | min. | typ. | | |
| XZFMK10A | Yellow | AlGaInP | 31000 9000* | 72990 22990* | 590* | Common Anode, Rt.Hand Decimal. |

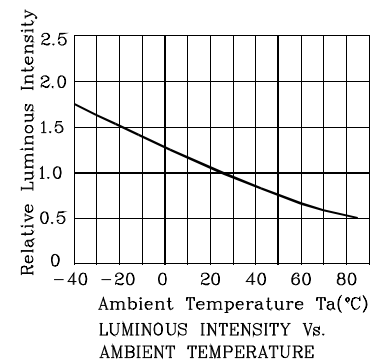
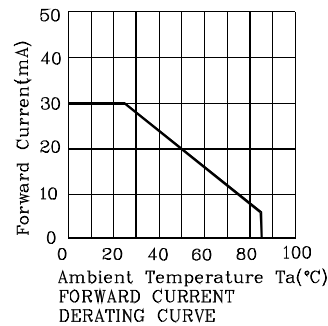
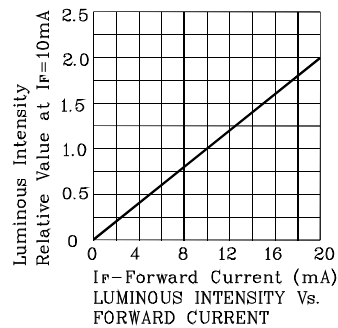
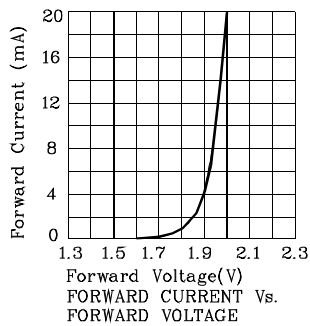
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Oct 13,2016

XDSA9132 V7-X Layout: Maggie L.

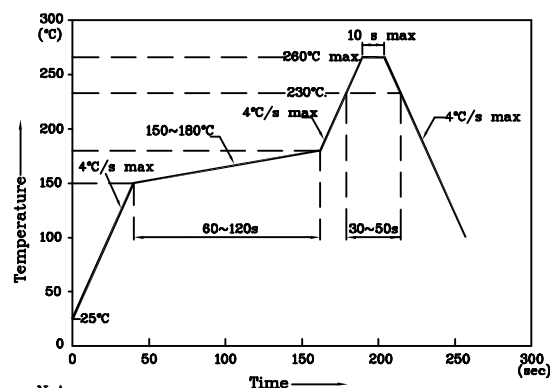


❖ **Yellow**



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

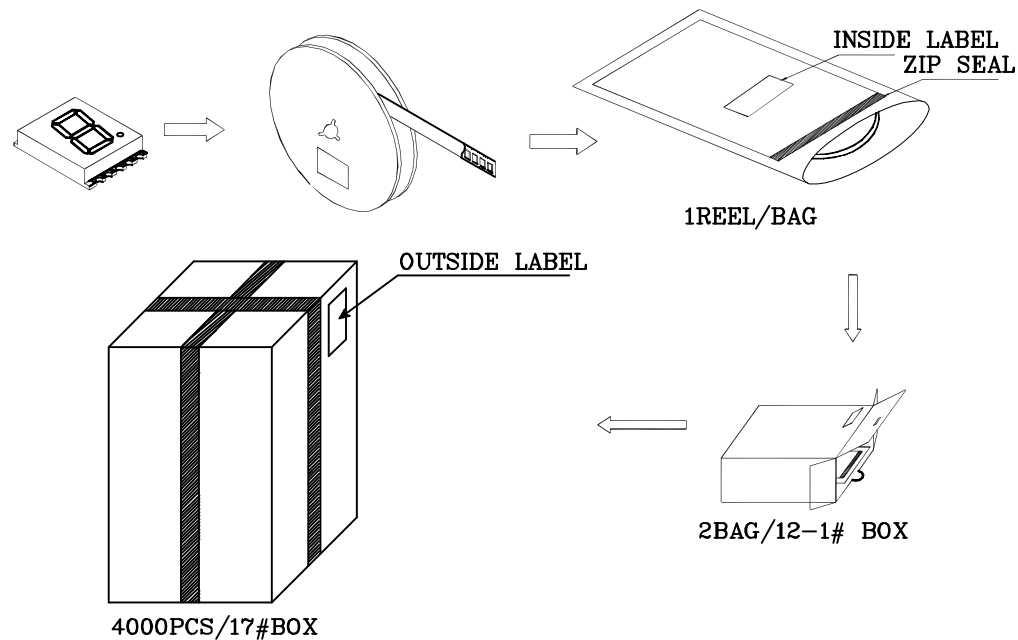
Diagram illustrating the calculation of the number of vertical bars (n) for a column. The column width is 15. The distance between bars is 1.88. The calculation is $1.88 \times 4 = 7.52$. The number of bars is 3.

Technical drawing of a TAFE component. The top view shows a rectangular part with a central slot containing two rectangular inserts. Dimensions include a total width of $24^{+0.3}_{-0.1}$, a central slot width of 16 ± 0.1 , and a distance from the top edge to the center of the inserts of 11.5 ± 0.1 . The top edge has six circular features with diameters of $\varnothing 1.5^{+0.1}_{-0}$ and spacing dimensions of 4 ± 0.1 , 2 ± 0.1 , and 0.4 ± 0.1 . The side view shows a height of 3.95 ± 0.1 .

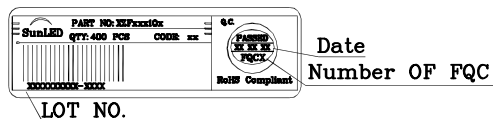
[illegible]

P. 3/4

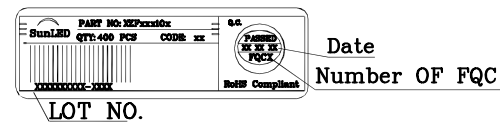
PACKING & LABEL SPECIFICATIONS



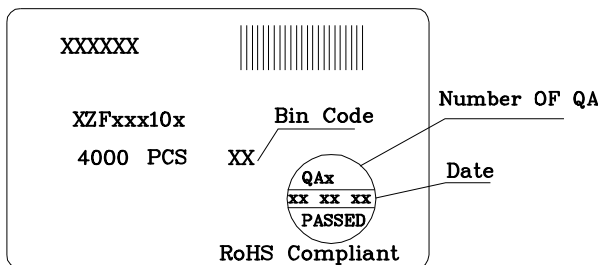
Inside Label On tape



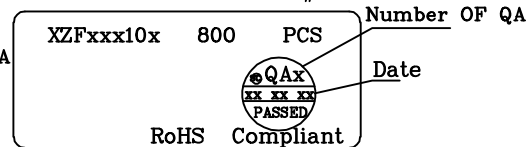
Outside Label On Bag



Outside Label On 17#Box



Outside Label On 12-1#Box



TERMS OF USE

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.
5. The contents within this document may not be altered without prior consent by SunLED.
6. Additional technical notes are available at <http://www.SunLEDusa.com/TechnicalNotes.asp>