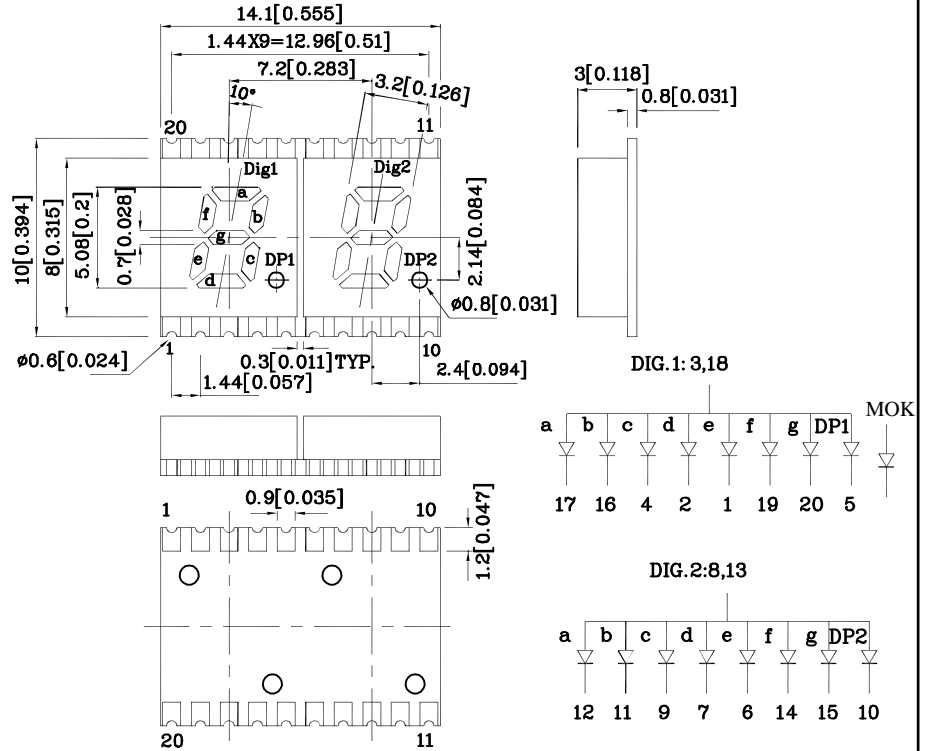


Features

- 0.2 inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 300pcs/ Reel
- MSL (Moisture Sensitivity Level): 2a
- RoHS Compliant



Package Schematics



Notes:

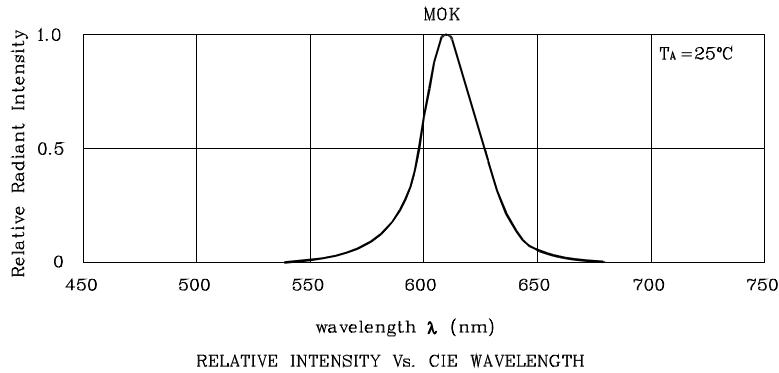
1. All dimensions are in millimeters (inches), Tolerance is ± 0.25 (0.01") unless otherwise noted.
2. Specifications are subject to change without notice.
3. The gap between the reflector and PCB shall not exceed 0.25mm.

| Absolute Maximum Ratings (T _A =25°C) | | MOK (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} | 195 | mA |
| Power Dissipation | P _D | 75 | mW |
| Operating Temperature | T _A | -40 ~ +85 | °C |
| Storage Temperature | T _{stg} | -40 ~ +85 | |

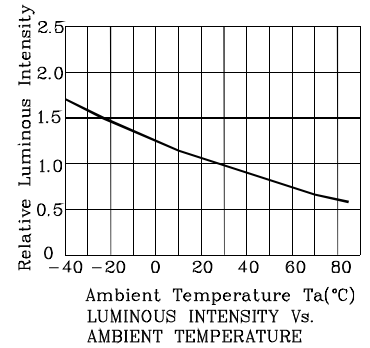
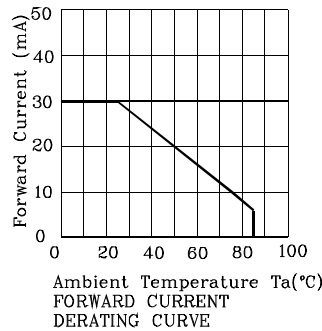
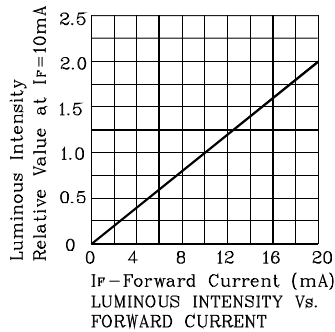
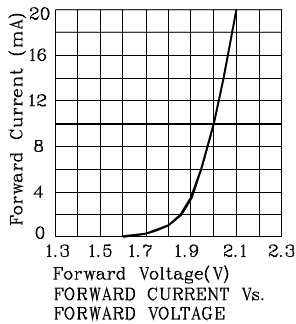
| Operating Characteristics (T _A =25°C) | | MOK (AlGaInP) | Unit |
|--|----------------|------------------|------|
| Forward Voltage (Typ.) (I _F =10mA) | V _F | 2 | V |
| Forward Voltage (Max.) (I _F =10mA) | V _F | 2.5 | V |
| Reverse Current (Max.) (V _R =5V) | I _R | 10 | uA |
| Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA) | λ _P | 610* | nm |
| Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA) | λ _D | 601* | nm |
| Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA) | Δλ | 29 | nm |
| Capacitance (Typ.) (V _F =0V, f=1MHz) | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Luminous Intensity CIE127-2007* (I _F =10mA) ucd | | Wavelength CIE127-2007* nm λ _P | Description |
|-------------|----------------|-------------------|--|-----------------|---|-----------------------------------|
| | | | min. | typ. | | |
| XZFMOK05A2 | Orange | AlGaInP | 21000 5600* | 36990 11990* | 610* | Common Anode, Rt.Hand Decimal. |

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



❖ MOK



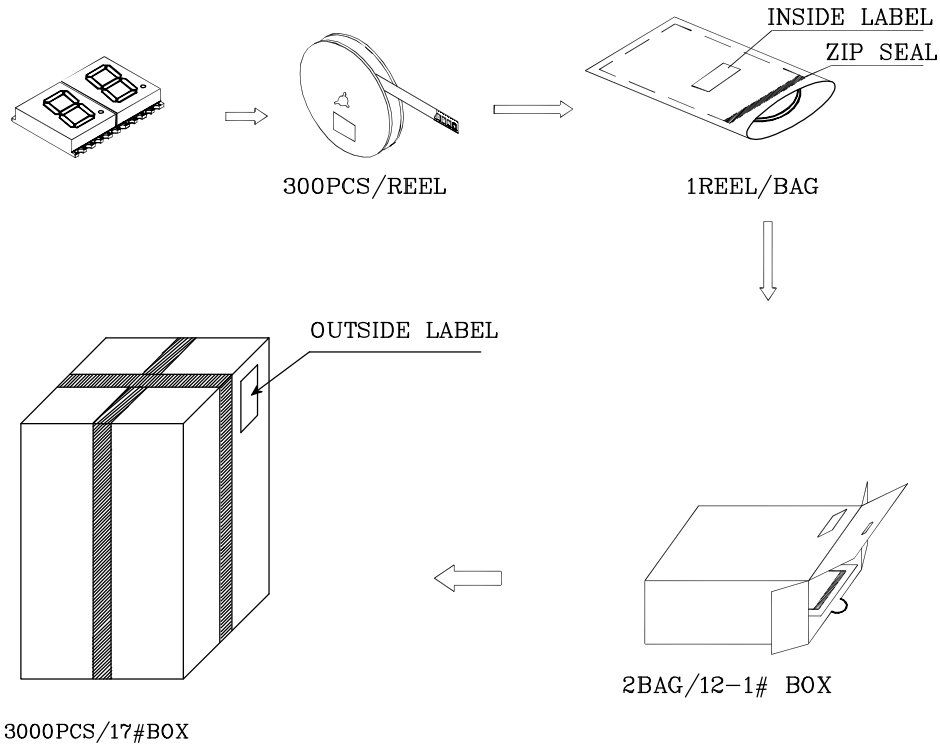
LED is recommended for reflow soldering and soldering profile is shown below.

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

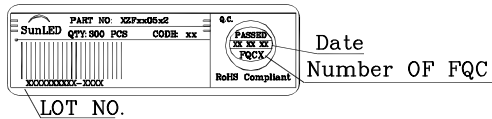


- Notes:
1. Maximum soldering temperature should not exceed 260°C
 2. Recommended reflow temperature: 145°C-260°C
 3. Do not put stress to the epoxy resin during high temperatures conditions

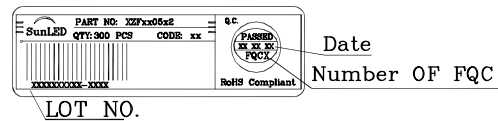
PACKING & LABEL SPECIFICATIONS



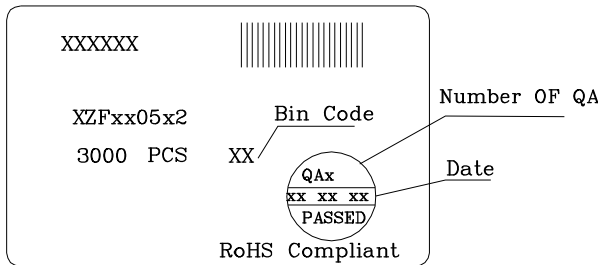
Inside Label On TAPE



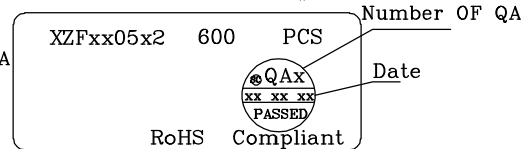
Outside Label On BAG



Outside Label On 19#Box



Outside Label On 12#Box



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