

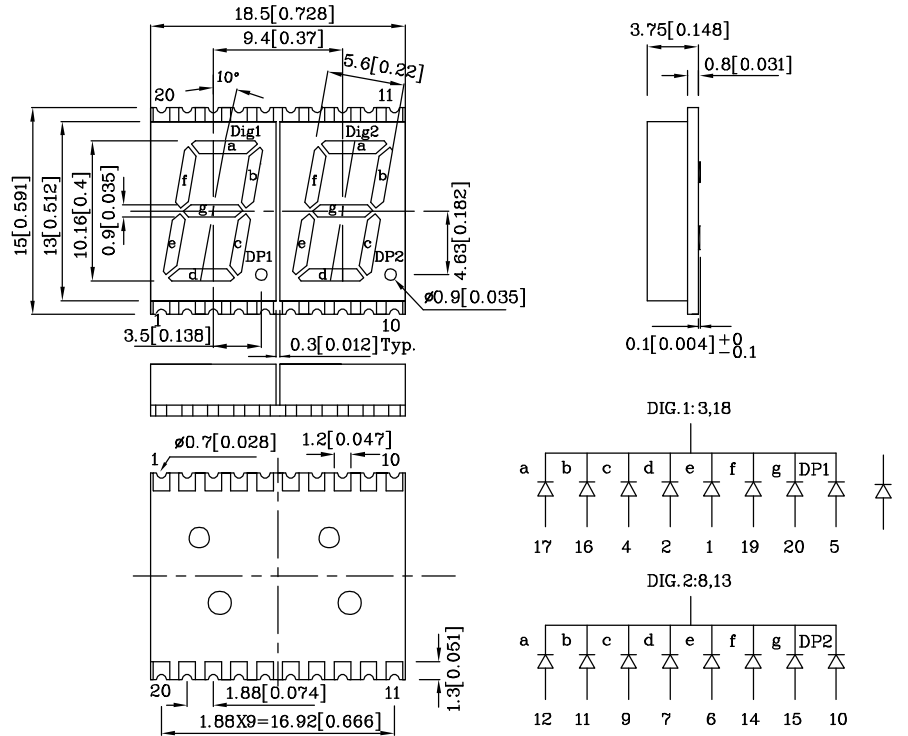
**Features**

- 0.4 inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 250pcs/ 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.

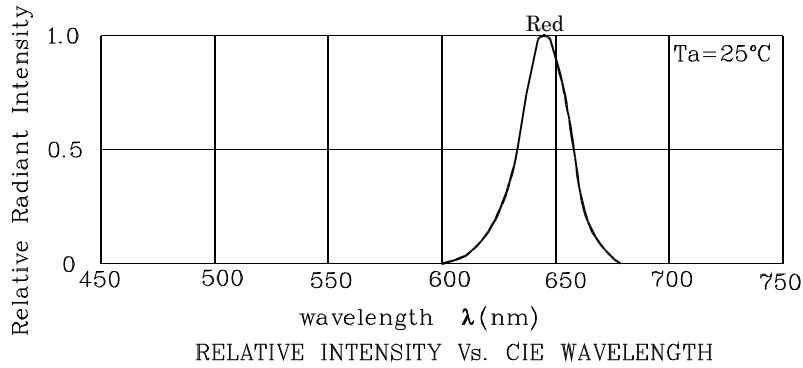
Absolute Maximum Ratings (T <sub>A</sub> =25°C)		Red (AlGaInP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Current	I <sub>F</sub>	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i <sub>FS</sub>	185	mA
Power Dissipation	P <sub>D</sub>	75	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-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)

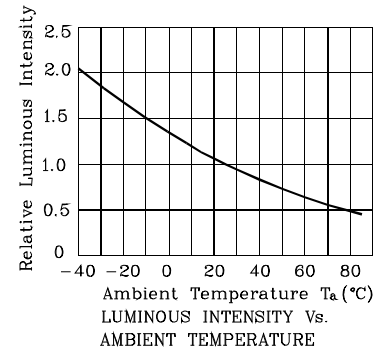
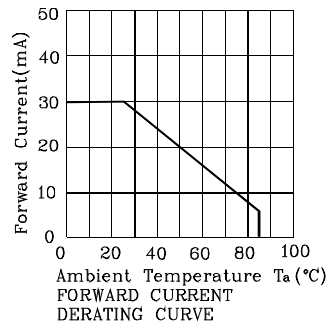
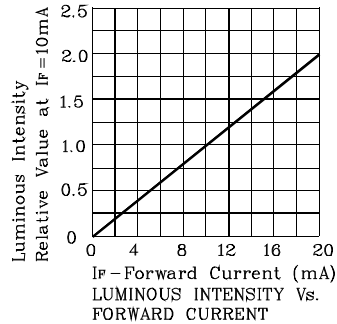
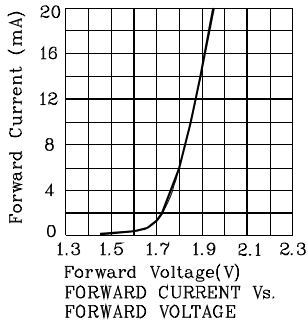
Operating Characteristics (T <sub>A</sub> =25°C)		Red (AlGaInP)	Unit
Forward Voltage (Typ.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	1.85	V
Forward Voltage (Max.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.5	V
Reverse Current (Max.) (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I <sub>F</sub> =10mA)	λ <sub>P</sub>	645*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I <sub>F</sub> =10mA)	λ <sub>D</sub>	630*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I <sub>F</sub> =10mA)	Δλ	28	nm
Capacitance (Typ.) (V <sub>F</sub> =0V, f=1MHz)	C	35	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* (I <sub>F</sub> =10mA) ucd		Wavelength CIE127-2007* nm λ <sub>P</sub>	Description
			min.	typ.		
XZFMDK10C2	Red	AlGaInP	21000 9000*	53990 19990*	645*	Common Cathode, Rt. Hand Decimal

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



❖ Red



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

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

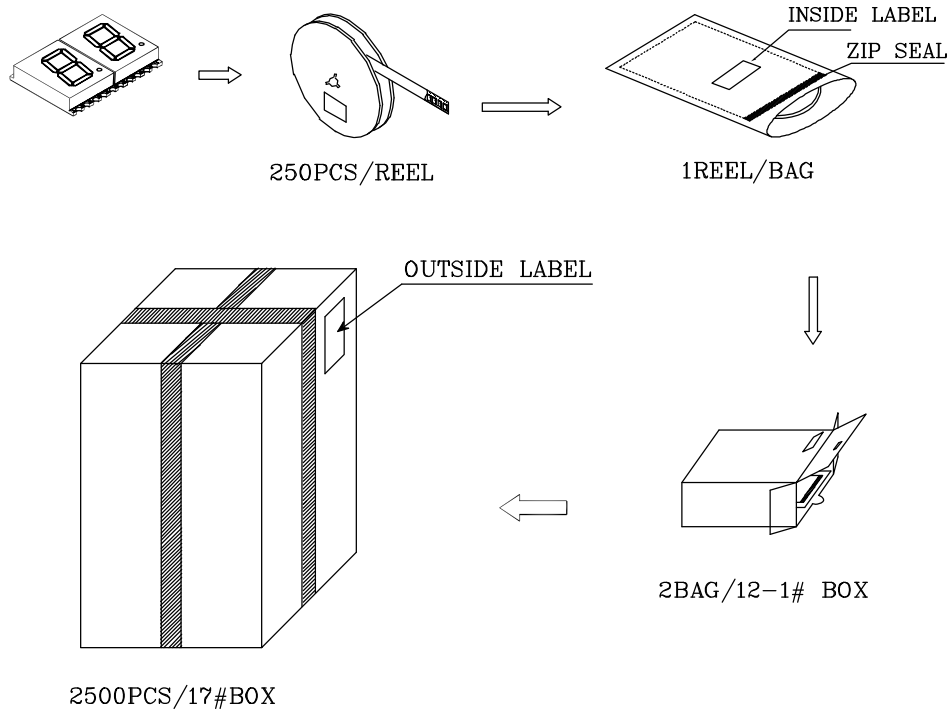


**Notes:**

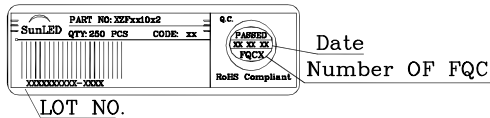
1. Maximum soldering temperature should not exceed 280°C
2. Recommended reflow temperature: 145°C~260°C
3. Do not put stress to the epoxy resin during high temperatures conditions



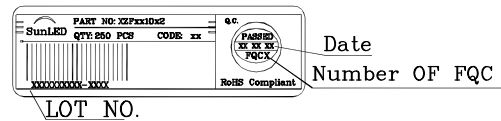
PACKING & LABEL SPECIFICATIONS



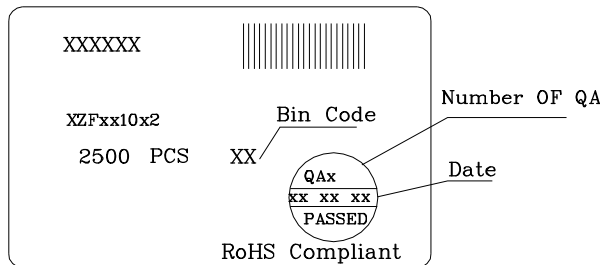
Inside Label On tape



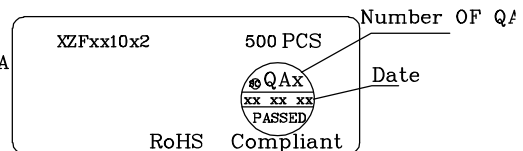
Outside Label On Bag



Outside Label On 17#Box



Outside Label On 12-1#Box



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2. Contents within this document are subject to improvement and enhancement changes without notice.
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