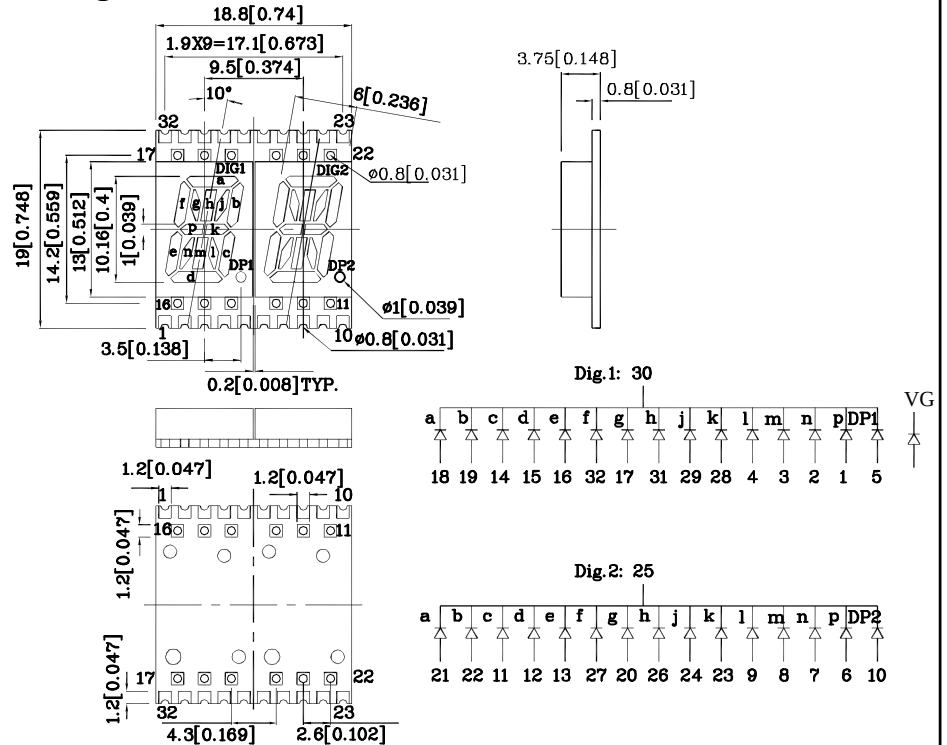


Features

- 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



Package Schematics



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ " 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)		VG (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}	150	mA
Power Dissipation	P _D	75	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

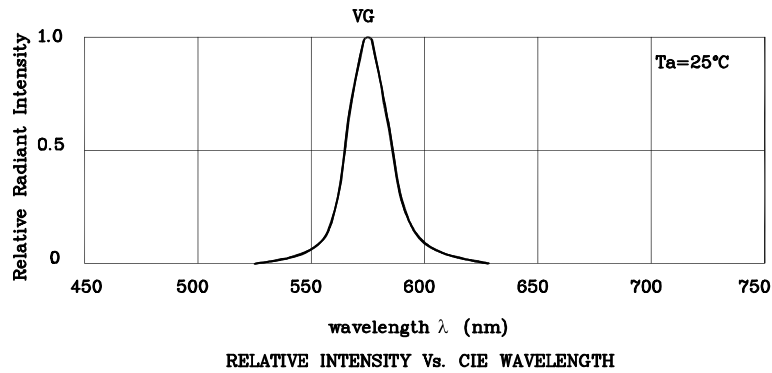
Operating Characteristics (T _A =25°C)		VG (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	2	V
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA)	λ _P	574*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) (I _F =10mA)	λ _D	570*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	20	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.		
XZFAVG10C2	Green	AlGaInP	5600 1400*	10990 3090*	574*	Common Cathode, Rt. Hand Decimal

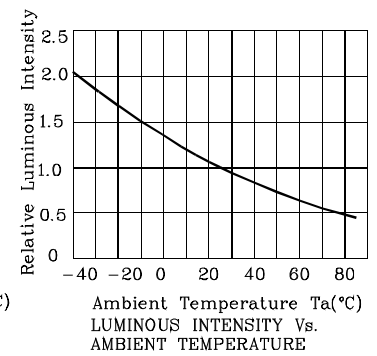
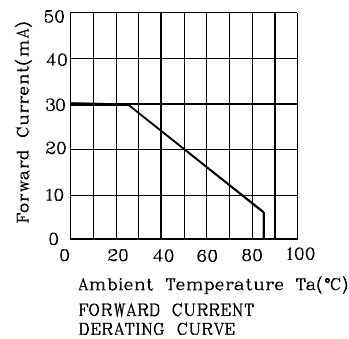
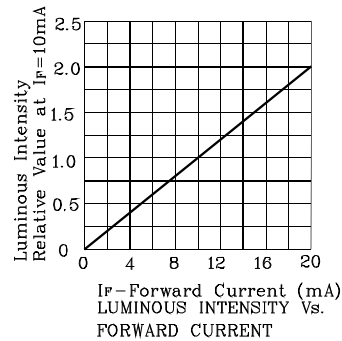
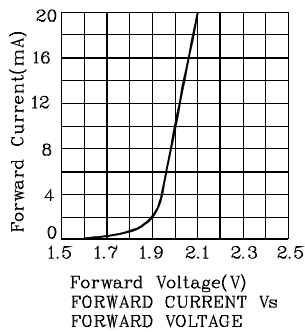
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Jan 15,2014

XDSB1623 V4-X Layout: Maggie L.

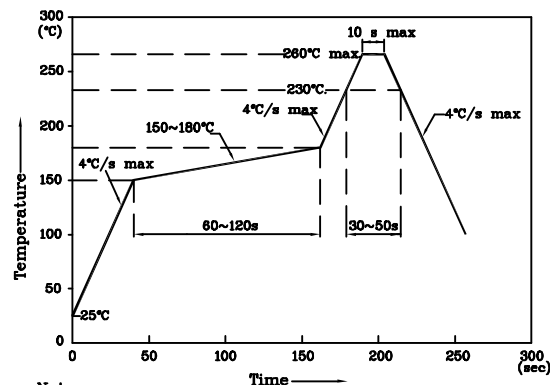


❖ VG



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

Technical drawing of the TAPE component, showing top and side views with dimensions.

Top View Dimensions:

- Overall width: $32^{+0.3}_{-0.1}$
- Overall height: 14.2 ± 0.1
- Left side margin: 1.75 ± 0.1
- Top edge features:
 - Left section: 4 ± 0.1
 - Right section: 2 ± 0.1
- Internal width (between main components): 24 ± 0.1
- Internal width (between sub-components): $\phi 1.5^{+0.1}_{-0}$

Side View Dimensions:

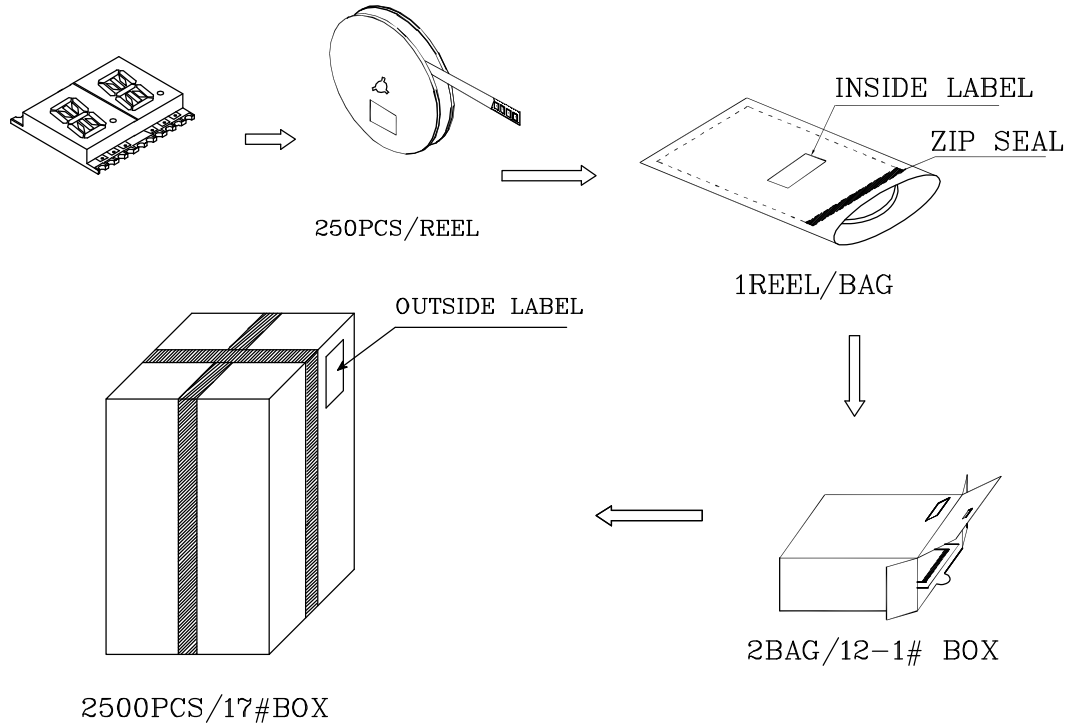
- Overall height: 0.35 ± 0.1
- Bottom flange width: 3.95 ± 0.1

The drawing includes a central label "TAPE" with an arrow pointing to the right. The top view shows two main rectangular components, each containing four smaller rectangular sub-components. The side view shows the profile of the component, including a bottom flange.

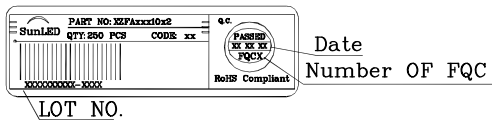
[illegible]

P. 3/4

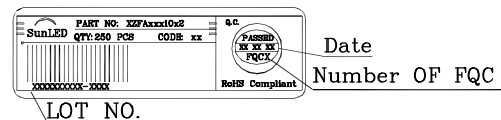
PACKING & LABEL SPECIFICATIONS



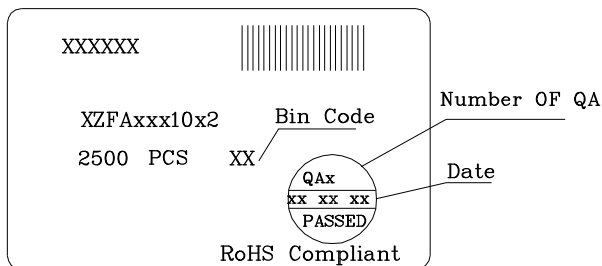
Inside LABEL On Tape



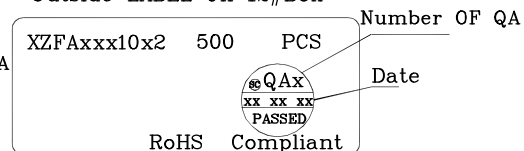
Outside LABEL On BAG



Outside LABEL On 19#Box



Outside LABEL On 12#Box



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