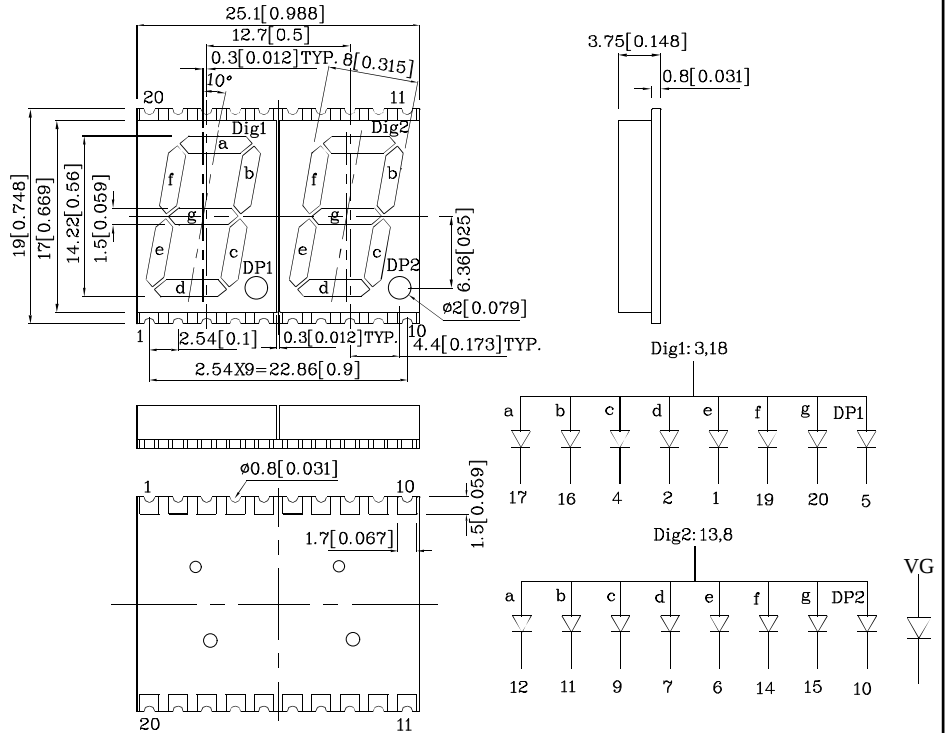


Features

- 0.56 inch digit height
- Robust package
- Low power consumption
- Standard configuration: Gray face w/ white segments
- Standard Package: 200pcs/ 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	

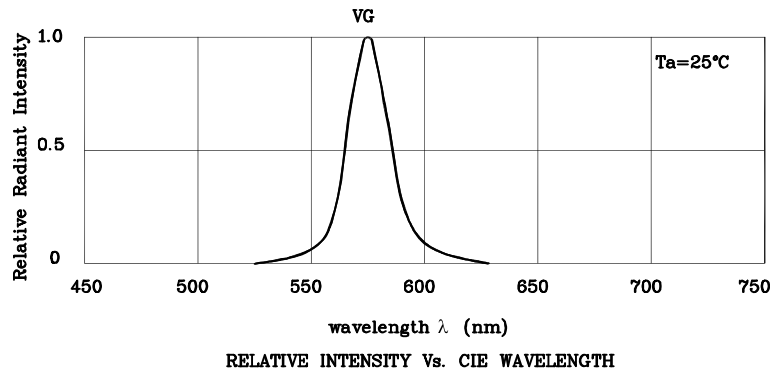
Operating Characteristics (T _A =25°C)		VG (AlGaInP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	2	V
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =10mA)	λ _P	574*	nm
Wavelength of Dominant Emission 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.	
XZFVG14A2	Green	AlGaInP	9000 2200*	24990 4590*	574* Common Anode, Rt.Hand Decimal.

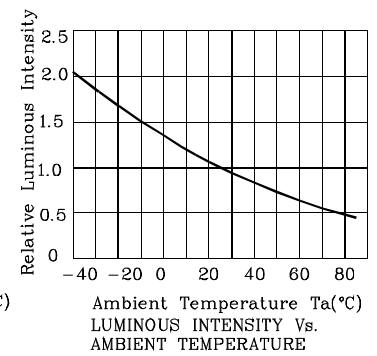
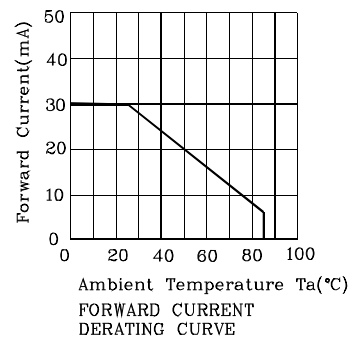
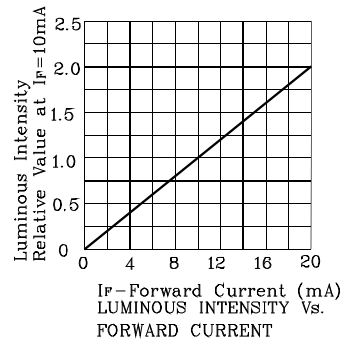
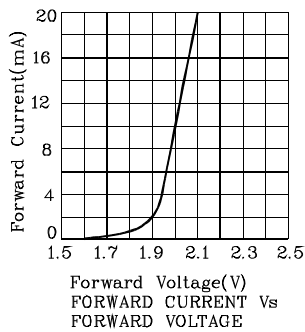
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Jan 14,2014

XDSA9120 V7-X Layout: Maggie L.

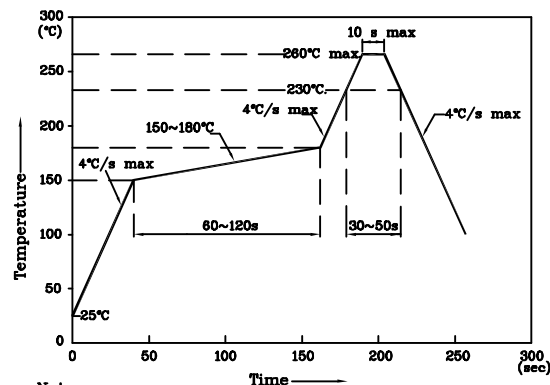


❖ VG



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

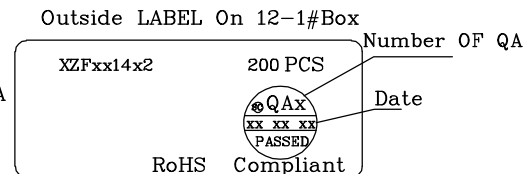
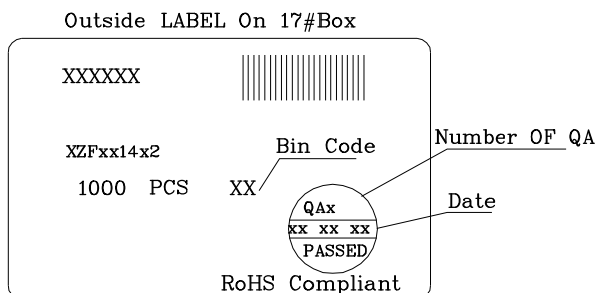
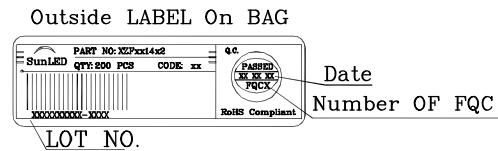
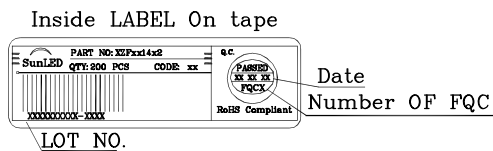
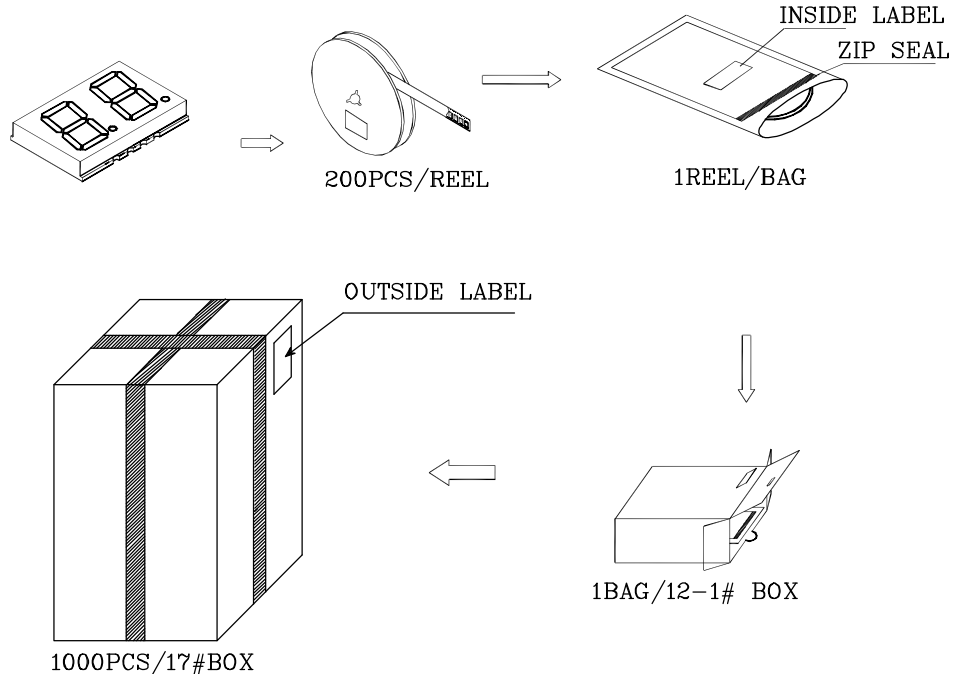
Technical drawing of a rectangular plate with the following dimensions and features:

- Overall width: $44_{-0.1}^{+0.3}$
- Overall height: 20.2 ± 0.1
- Top edge features:
 - Left section: 1.75 ± 0.1
 - Right section: 0.35 ± 0.1
- Internal features:
 - Two rectangular sections, each containing four trapezoidal shapes.
 - Two circular holes, each with a diameter of $\phi 1.5_{-0}^{+0.1}$.
 - Two horizontal sections, each with a width of 4 ± 0.1 .
 - Two vertical sections, each with a width of 2 ± 0.1 .
- Bottom edge features:
 - Left section: 32 ± 0.1
 - Right section: 3.95 ± 0.1
- Label: TAPE

[illegible]

P. 3/4

PACKING & LABEL SPECIFICATIONS



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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.
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