

Features

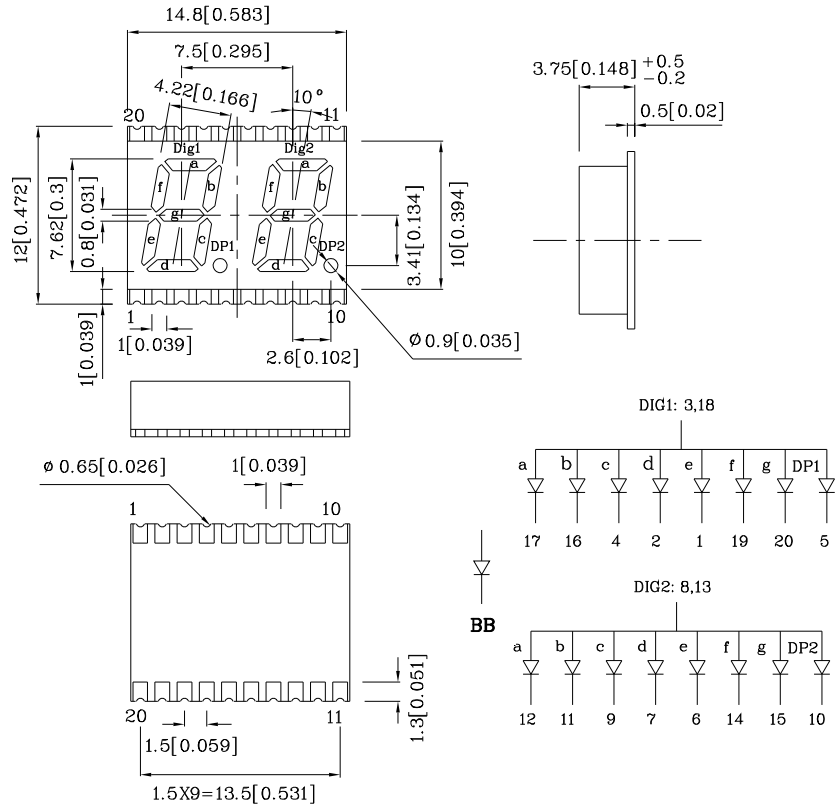
- 0.3NCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE : 600PCS / REEL.
- RoHS COMPLIANT.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Notes:

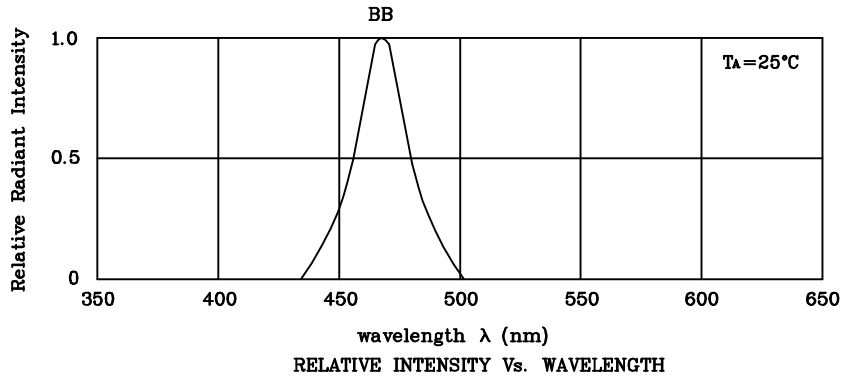
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.



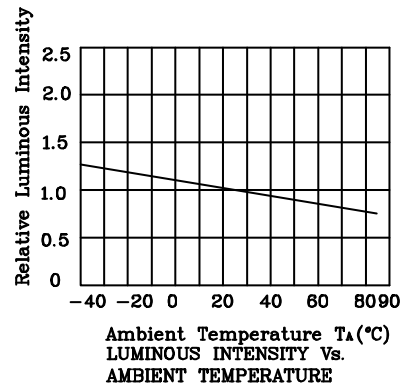
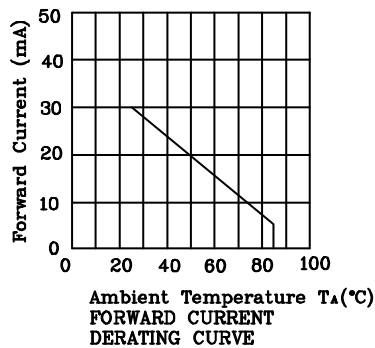
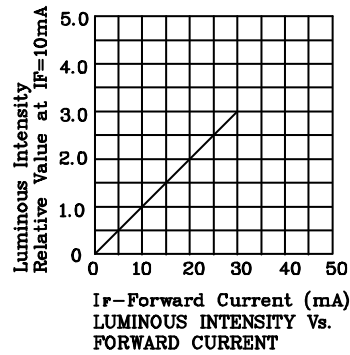
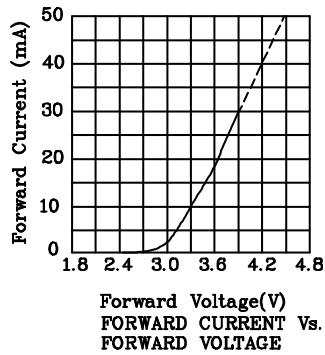
Absolute Maximum Ratings (TA=25°C)		BB (InGaN)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	160	mA
Power Dissipation	P _T	102	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Electrostatic Discharge Threshold(HBM)	1000		V

Operating Characteristics (TA=25°C)		BB (InGaN)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	3.3	V
Forward Voltage (Max.) (I _F =10mA)	V _F	4.2	V
Reverse Current (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission (I _F =10mA)	λ _P	468	nm
Wavelength of Dominant Emission (I _F =10mA)	λ _D	470	nm
Spectral Line Full Width At Half-Maximum (I _F =10mA)	Δλ	25	nm
Capacitance (V _F =0V, f=1MHz)	C	65	pF

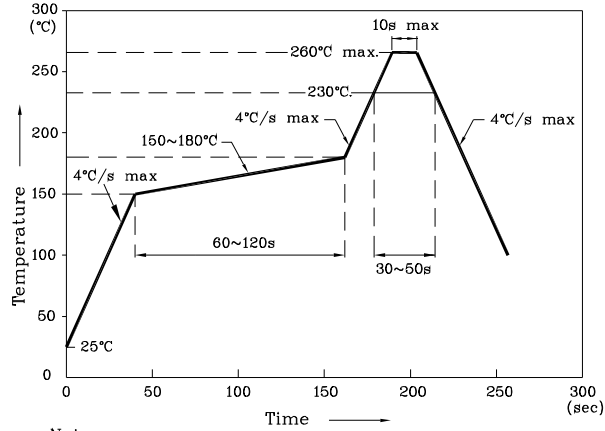
Part Number	Emitting Color	Emitting Material	Luminous Intensity (I _F =10mA) ucd		Wavelength nm λ _P	Description
			min.	typ.		
XZDBB07A2	Blue	InGaN	1900	7390	468	Common Anode.Rt. Hand Decimal



❖ BB



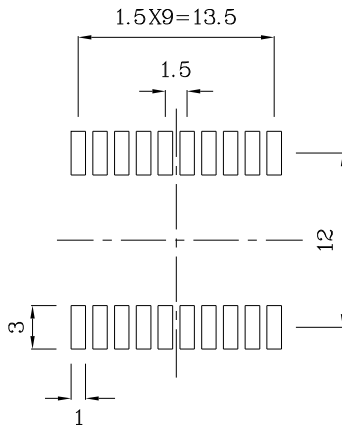
Reflow Soldering Profile For Lead-free SMT Process.



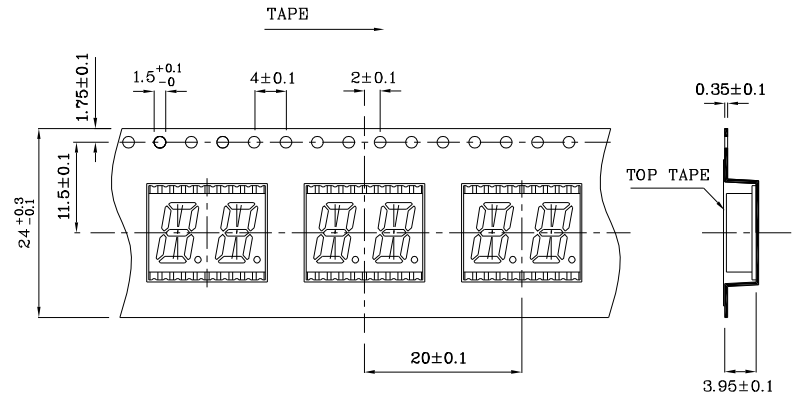
Notes:

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.

❖ Recommended Soldering Pattern
(Units : mm;Tolerance:± 0.15)



❖ Tape Specification (Units : mm)



Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.