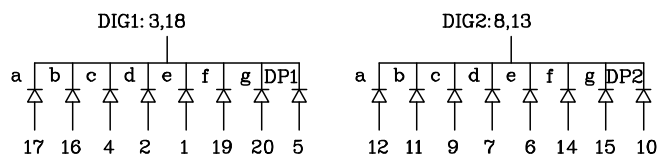
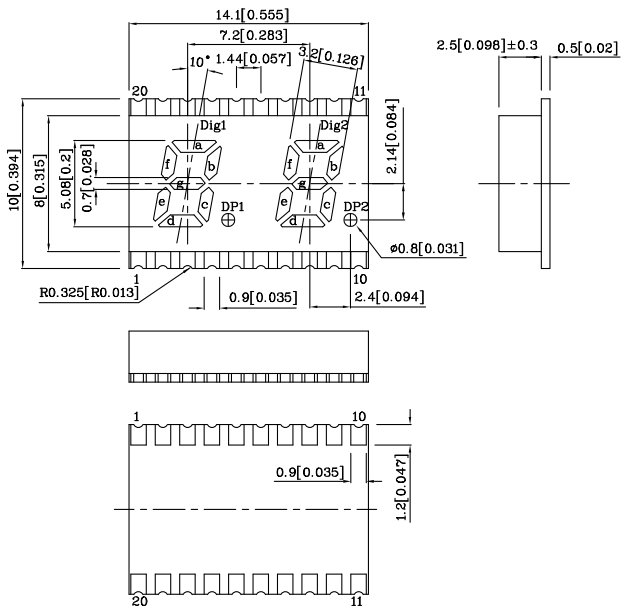


Features

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



Notes:

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

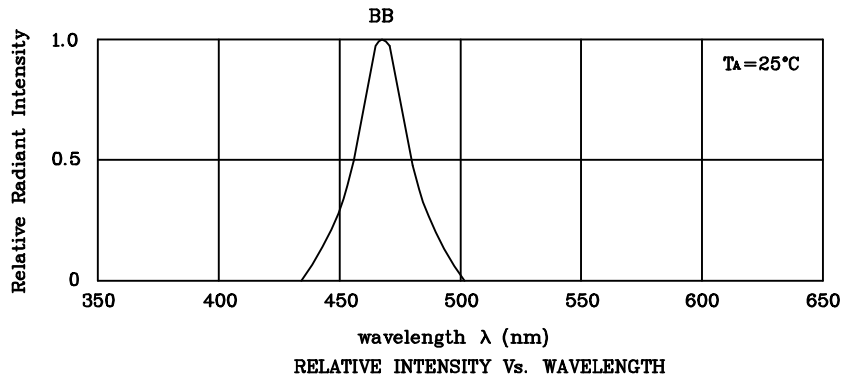


ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

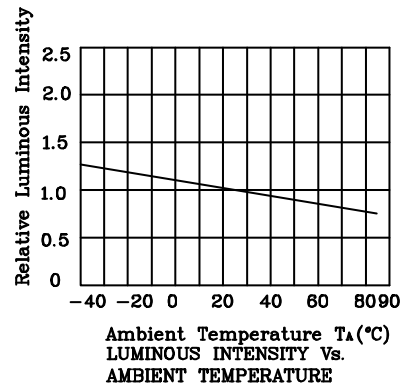
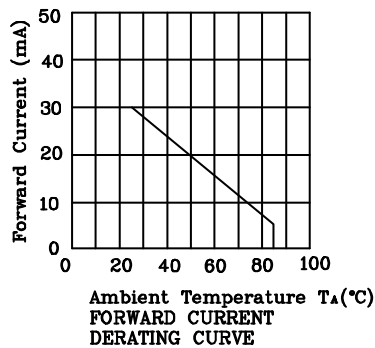
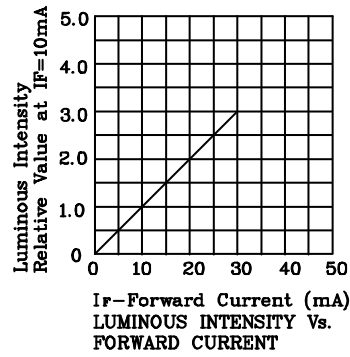
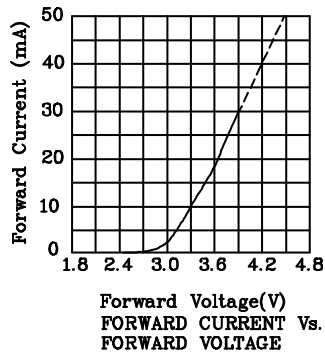
Absolute Maximum Ratings (TA=25°C)		BB (InGaN)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	mA
Power Dissipation	PT	102	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Electrostatic discharge threshold(HBM)		1000	V

Operating Characteristics (TA=25°C)		BB (InGaN)	Unit
Forward Voltage (Typ.) (IF=10mA)	VF	3.3	V
Forward Voltage (Max.) (IF=10mA)	VF	4.2	V
Reverse Current (VR=5V)	IR	10	uA
Wavelength of Peak Emission (IF=10mA)	λ peak	468	nm
Wavelength of Dominant Emission (IF=10mA)	λ D	470	nm
Spectral Line Full Width At Half-Maximum (IF=10mA)	$\Delta\lambda$	25	nm
Capacitance (VF=0V, f=1MHz)	C	65	pF

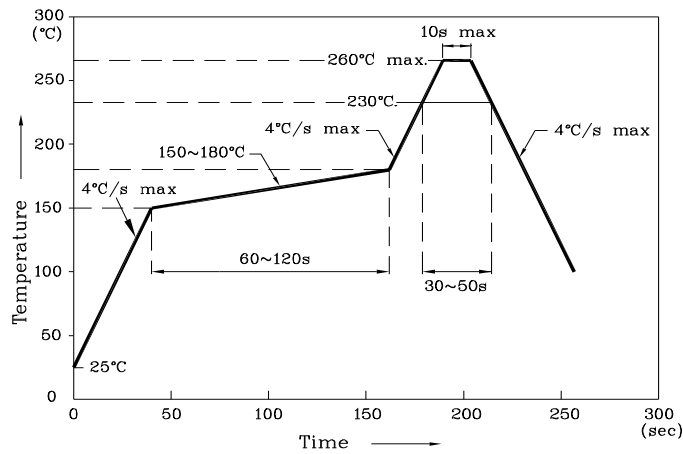
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
XZDBB05C2	Blue	InGaN	1900	10790	468	Common Cathode.Rt. Hand Decimal
Published Date : MAY.21.2005 Drawing No :XDSA3072 V5 Checked : B.L.LIU P.1/3						



❖ BB



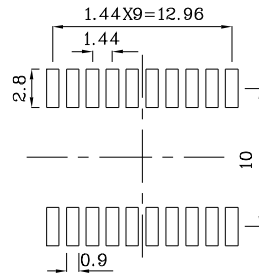
Reflow Soldering Profile For Lead-free SMT Process.



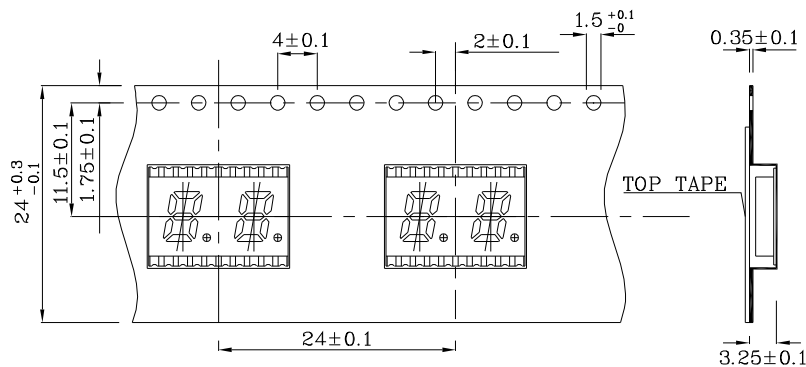
Notes:

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.