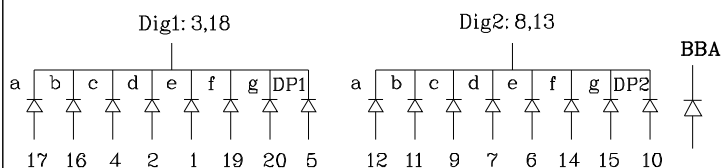


PRELIMINARY SPEC

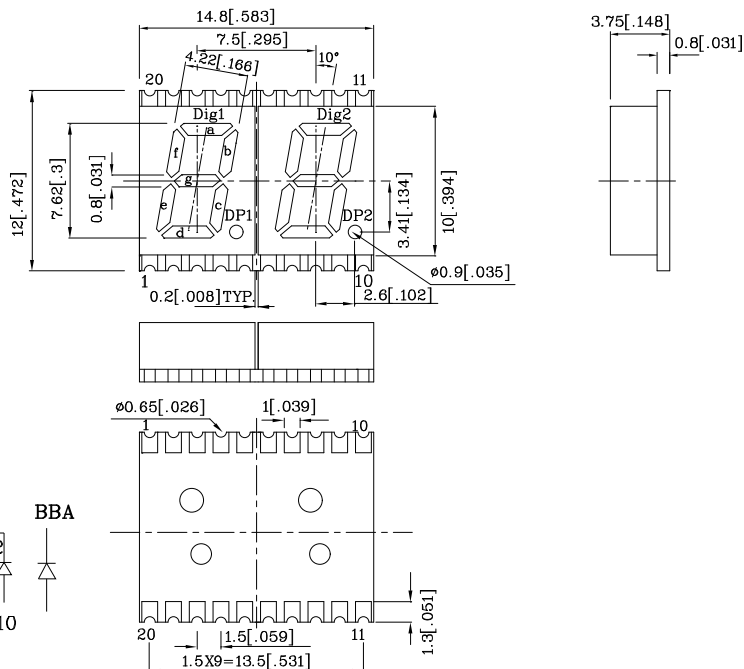
Features

- 0.3 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- GRAY FACE,WHITE SEGMENT.
- PACKAGE : 300PCS / REEL.
- MOISTURE SENSITIVITY LEVEL : LEVEL 4.
- RoHS COMPLIANT.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. The gap between the reflector and PCB shall not exceed 0.25mm.
4. Specifications are subject to change without notice.

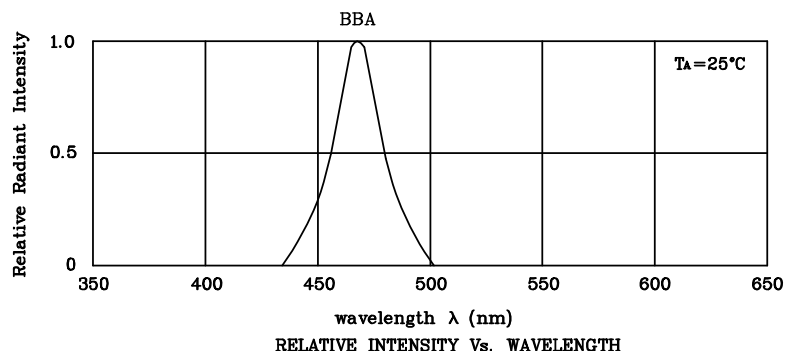


ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

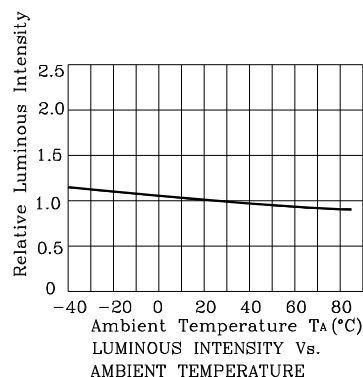
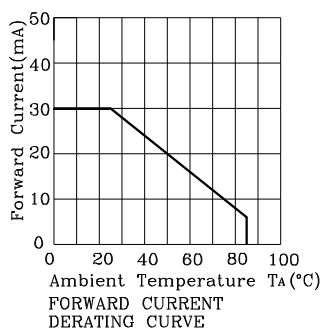
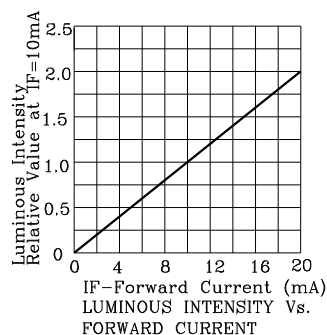
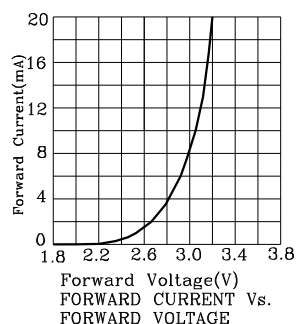
Absolute Maximum Ratings (T _A =25°C)		BBA (InGaN)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	100	mA
Power Dissipation	P _T	120	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Electrostatic Discharge Threshold (HBM)		1000	V

Operating Characteristics (TA=25°C)		BBA (InGaN)	Unit
Forward Voltage (Typ.) (IF=10mA)	V _F	3.05	V
Forward Voltage (Max.) (IF=10mA)	V _F	4.0	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	468	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	470	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	Δλ	21	nm
Capacitance (V _F =0V, f=1MHz)	C	100	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
ZFBBA07C2	Blue	InGaN	1200	5990	468	Common Cathode. Rt. Hand Decimal
Published Date : MAR 04,2008		Drawing No : SDSA5339			V4	Checked : Shin Chi P.1/4



❖ BBA



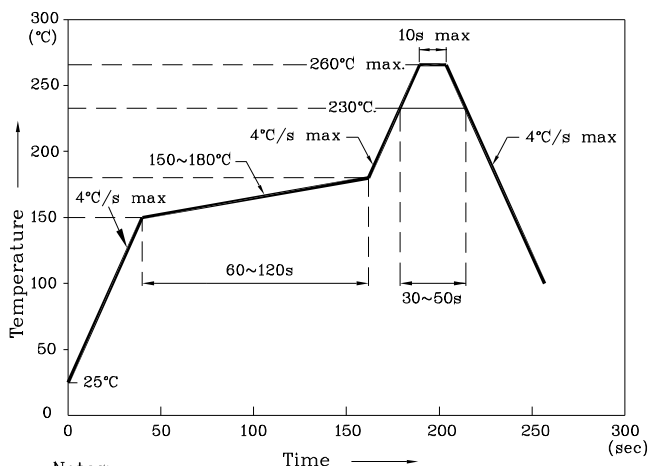
Remarks:

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

1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity/ Luminous Flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.

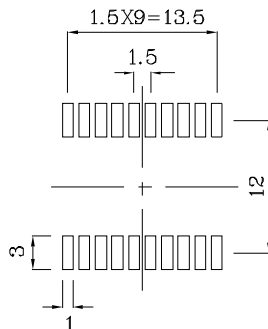
Reflow Soldering Profile For Lead-free SMT Process.



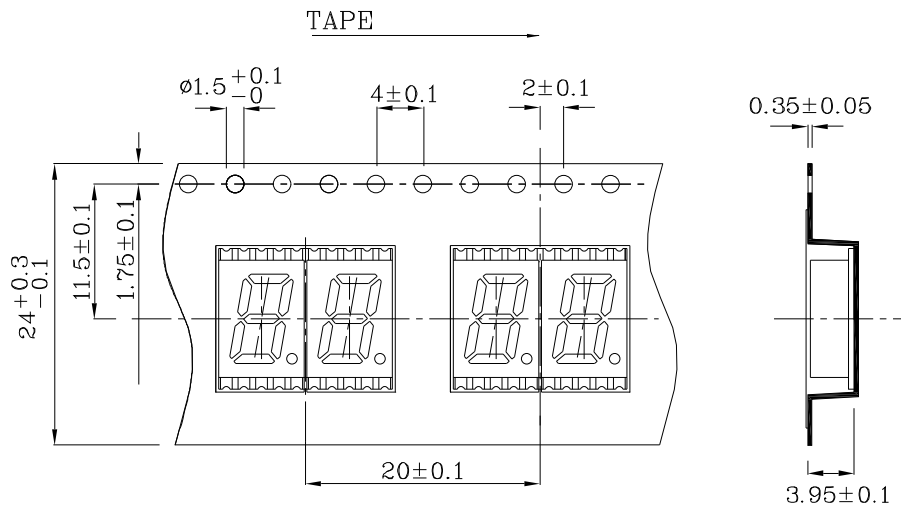
Notes:

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)

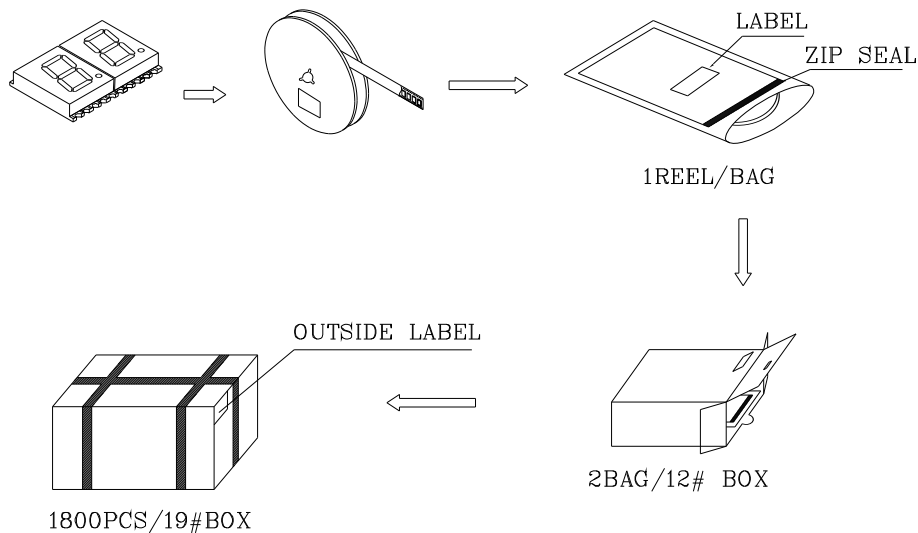


❖ Tape Specification (Units : mm)



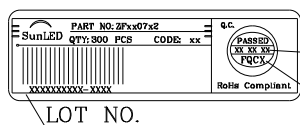
PACKING & LABEL SPECIFICATIONS

ZFBBA07C2

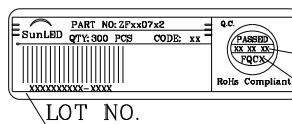


Outside LABEL Paste On The BAG

Inside LABEL Paste On The TAPE



Date
Number OF FQC

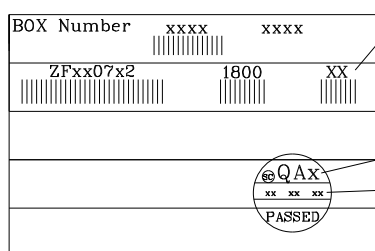


LOT NO.

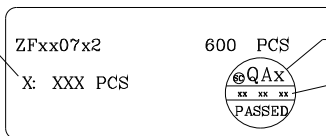
Date
Number OF FQC

Outside LABEL Paste On The 19#Box

Outside LABEL Paste On The 12#Box



BIN CODE
Date
Number OF QA



Number OF QA
Date