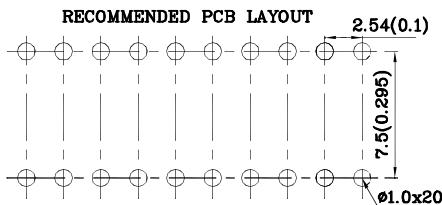
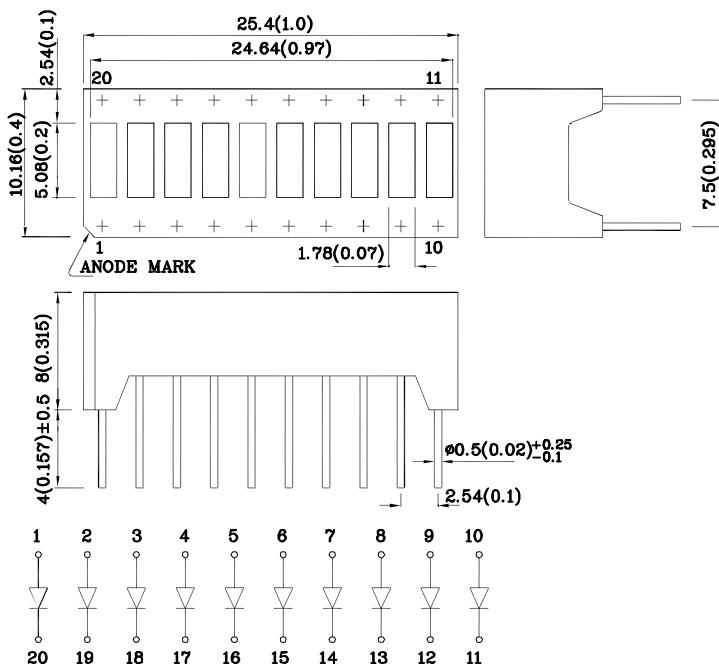


Features

- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- Standard configuration: Gray face w/ white segments
- RoHS compliant



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC

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.

Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		Blue (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}	150	mA
Power Dissipation	P_D	120	mW
Operating Temperature	T_A	-40 ~ +85	$^\circ\text{C}$
Storage Temperature	T_{STG}		
Electrostatic Discharge Threshold (HBM)		250	V
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

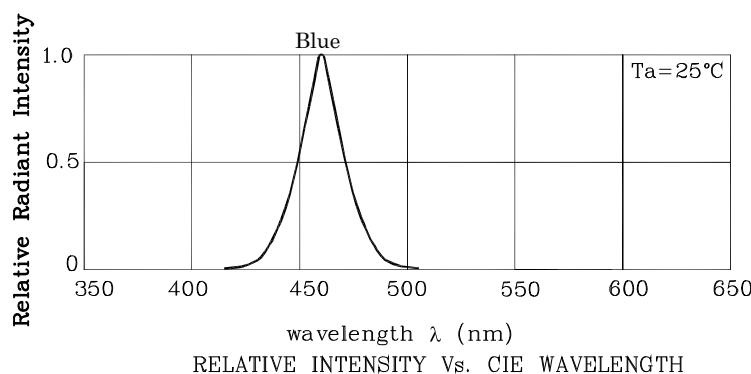
Operating Characteristics ($T_A=25^\circ\text{C}$)		Blue (InGaN)	Unit
Forward Voltage (Typ.) ($I_F=10\text{mA}$)	V_F	3	V
Forward Voltage (Max.) ($I_F=10\text{mA}$)	V_F	4	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	50	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) ($I_F=10\text{mA}$)	λ_P	460*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) ($I_F=10\text{mA}$)	λ_D	465*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$)	$\Delta\lambda$	25	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	100	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* ($I_F=10\text{mA}$) ucd	Wavelength CIE127-2007* nm λ_P	Description
XGCBDX10D	Blue	InGaN	3600*	9390*	460* 10 Segments Bar graph-Display

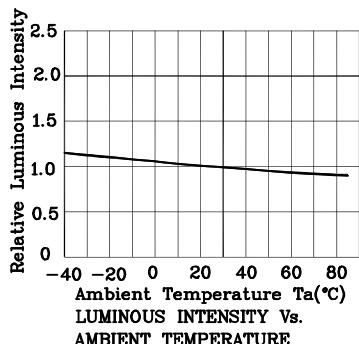
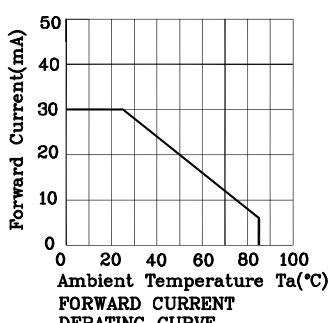
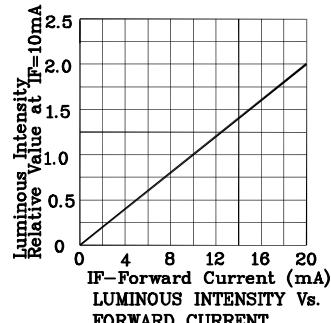
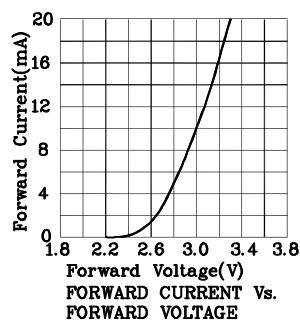
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

Oct 18, 2016

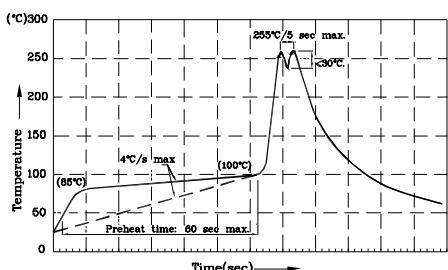
XDSB3659 V4-Z Layout: Maggie L.



❖ Blue



Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



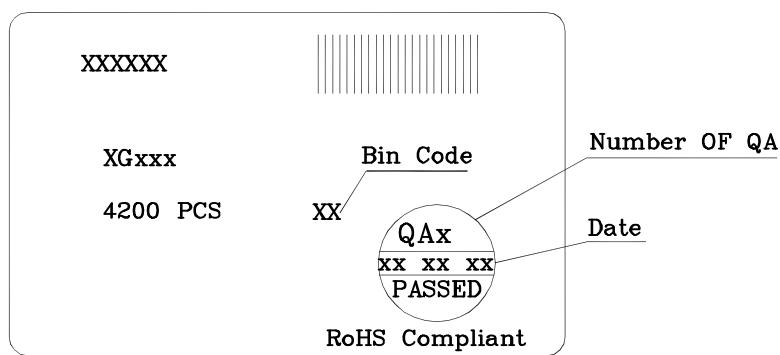
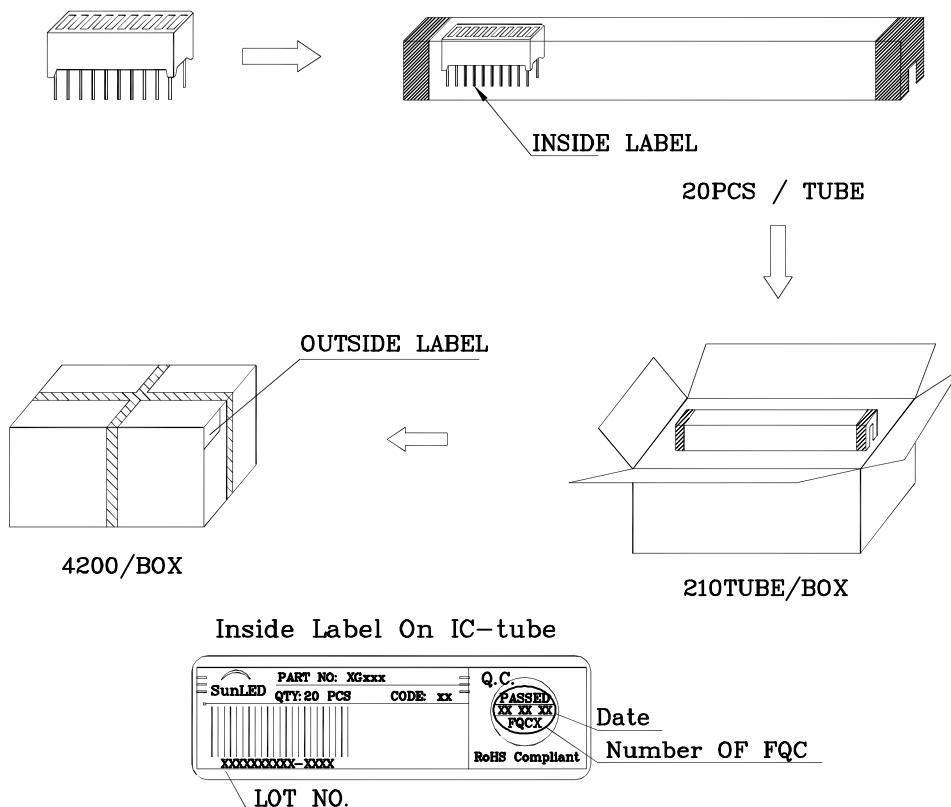
Remarks:

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.

PACKING & LABEL SPECIFICATIONS



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