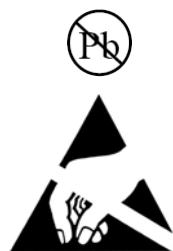
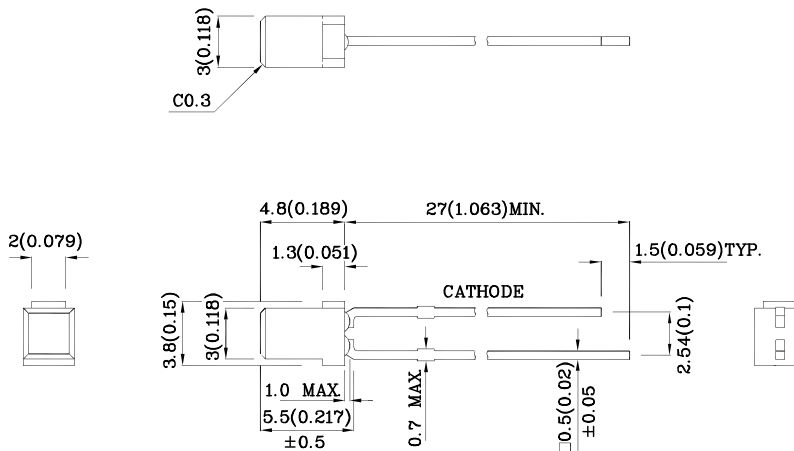


Features

- Low power consumption.
- Wide viewing angle.
- Reliable and rugged.
- Excellent uniformity of light output.
- Ideal for flush mounted panel indicators.
- RoHS compliant.



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



Notes:

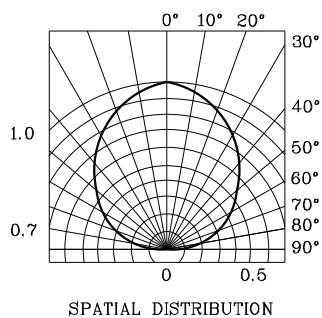
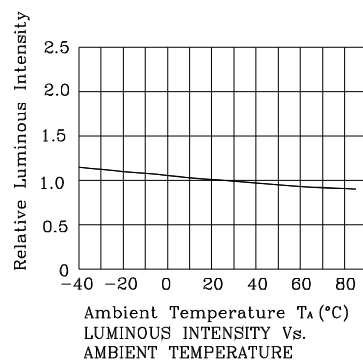
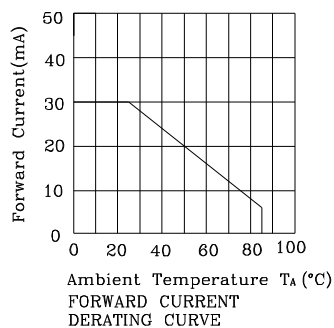
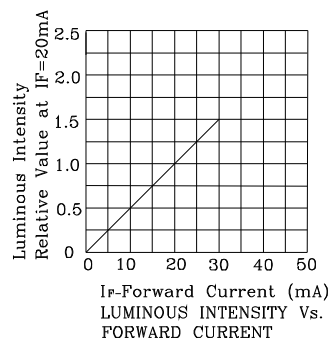
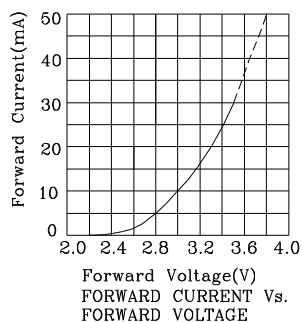
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
- 3.Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		CWD (InGaN)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10Duty Cycle 0.1ms Pulse Width	i _{FS}	150	mA
Power Dissipation	P _D	120	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

Operating Characteristics (TA=25°C)		CWD (InGaN)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V _F	3.3	V
Forward Voltage (Max.) (I _F =20mA)	V _F	4.0	V
Reverse Current (Max.) (V _R =5V)	I _R	50	uA
Chromaticity Coordinates (Typ.)	X	0.31	
	Y	0.31	
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	100	pF

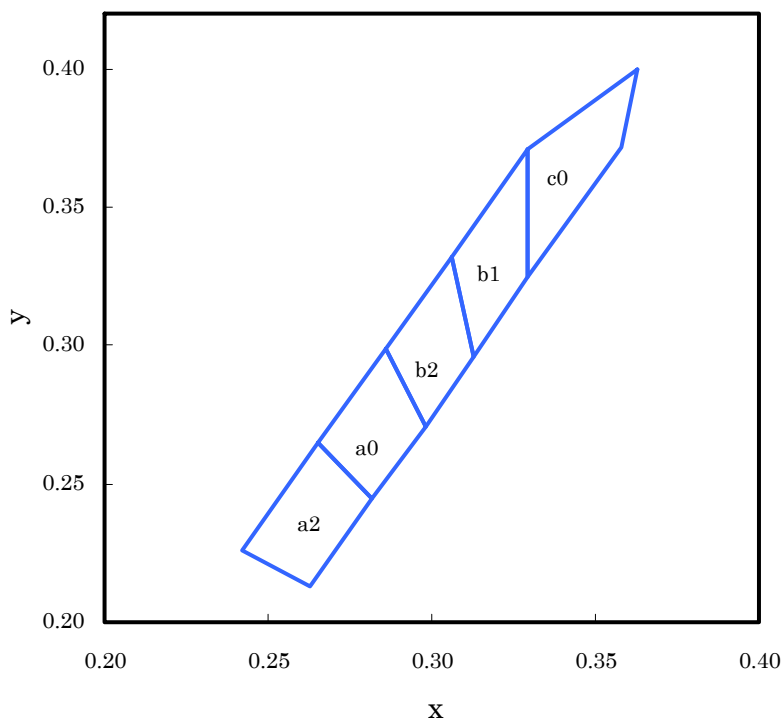
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Viewing Angle 2 θ 1/2
				min.	typ.	
XSCWD43MB	White	InGaN	White Triple Diffused	70	138	110°

❖ CWD



XSCWD43MB

White CIE



	x	y		x	y		x	y
a2	0.263	0.213	a0	0.282	0.245	b2	0.298	0.271
	0.282	0.245		0.298	0.271		0.313	0.296
	0.265	0.265		0.286	0.299		0.306	0.332
	0.242	0.226		0.265	0.265		0.286	0.299
b1	0.313	0.296	c0	0.329	0.325			
	0.329	0.325		0.358	0.372			
	0.329	0.371		0.363	0.400			
	0.306	0.332		0.329	0.371			

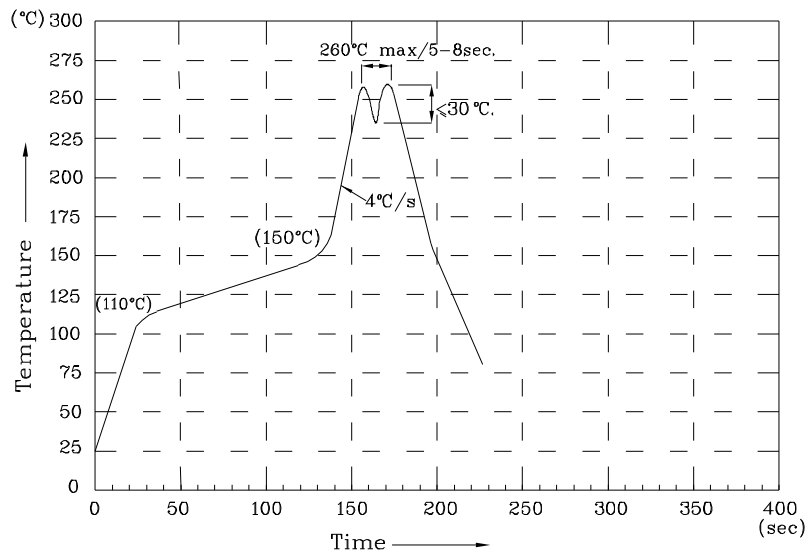
Notes:

Shipment may contain more than one chromaticity regions.

Orders for single chromaticity region are generally not accepted.

Measurement tolerance of the chromaticity coordinates is ± 0.02 .

Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

Remarks:

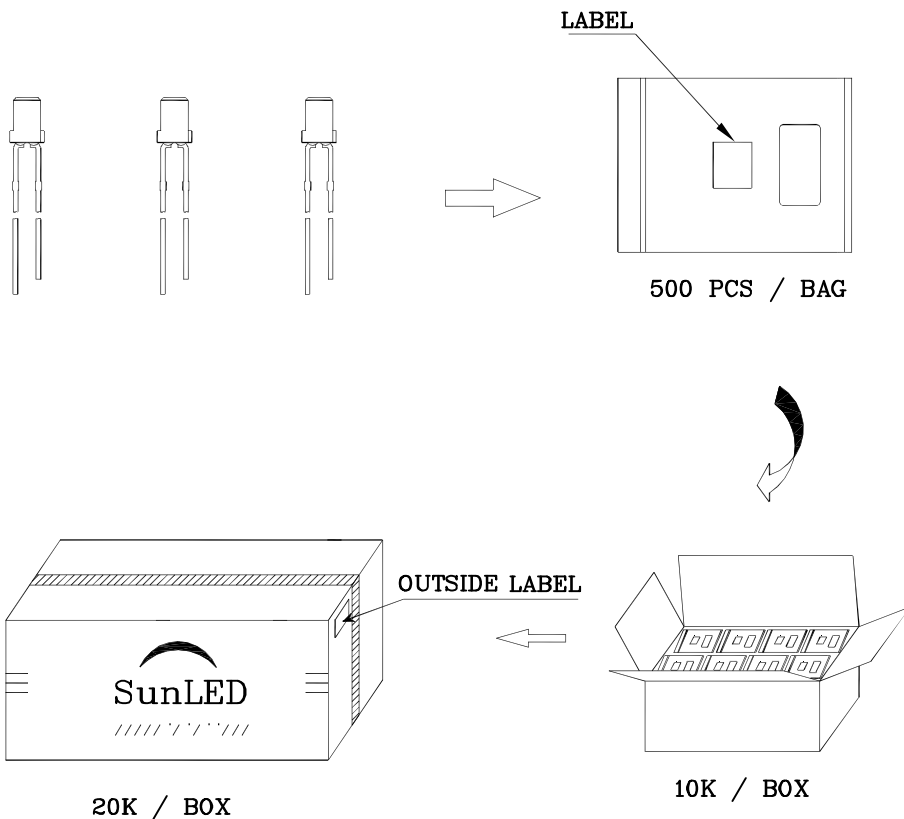
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or chromaticity), the typical accuracy of the sorting process is as follows:

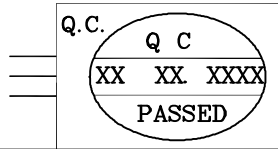
1. Measurement tolerance of the chromaticity coordinates is ± 0.02 .
2. Luminous Intensity / Luminous Flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1V$

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XSCWD43MB



 	
P/NO : XSxxx43x	
QTY : 500 pcs	CODE: XXX
S/N : XX	
LOT NO:  XXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant	