

Part Number: 4383H6FL

10mm HOUSING & BLUE BLINKING LED LAMP WITH WIRE LEADS

Features

- 10mm diameter big lamp with built-in blinking IC.
- Operation voltage from 3.5V to 14V.
- Blinking frequency from 3.0Hz to 1.5Hz..
- Housing UL rating: 94V-0.
- Housing material: type 66 nylon.
- RoHS compliant.

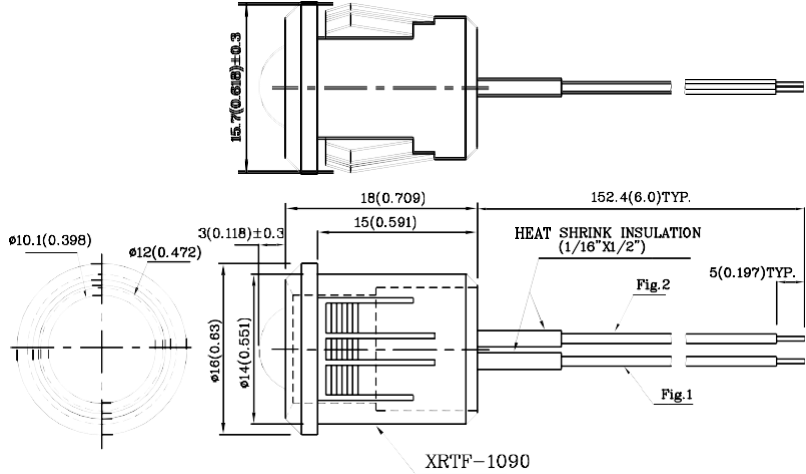


ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Package Schematics

Fig.

1. ANODE LEAD : RED INSULATION , 24 AWG , $\phi 1.45\text{mm}$, UL#1007 , TINNED OVERCOATED WIRE , STRIP 5mm.
2. CATHODE LEAD : BLACK INSULATION , 24 AWG , $\phi 1.45\text{mm}$, UL#1007 , TINNED OVERCOATED WIRE , STRIP 5mm.



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)		CBD (InGaN)	Unit
Reverse Voltage	VR	0.5	V
Forward Voltage	VF	14	V
Power Dissipation	PT	310	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	
Electrostatic Discharge Threshold (HBM)		250	V
Lead Solder Temperature [2mm below Package Base]		260°C For 3 Seconds	
Lead Solder Temperature [5mm below Package Base]		260°C For 5 Seconds	

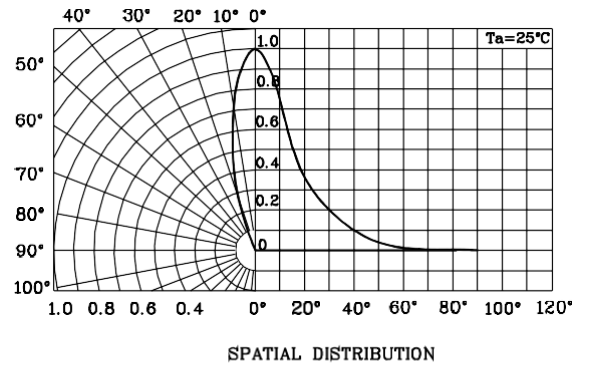
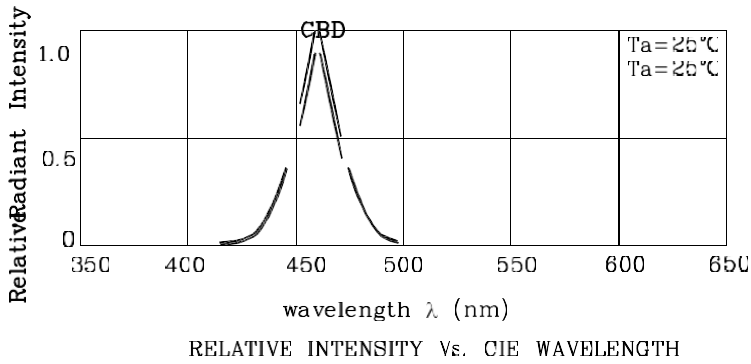
Operating Characteristics (TA=25°C)		CBD (InGaN)	Unit
Forward Current (Min.) (VF=3.5V)	IF	4	mA
Forward Current (Typ.) (VF=5V)	IF	15	mA
Supply Current (Typ.) VF=3.5V	ISON	4	mA
Supply Current (Typ.) VF=14V	ISON	41	mA
Blink Frequency (Min.~Max.) VF=3.5V~14V	f	1.5~3	Hz
Wavelength of Peak Emission CIE127-2007* (Typ.)	λP	460*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.)	λD	465*	nm
Spectral Line Full Width At Half-Maximum (Typ.)	$\otimes \lambda$	25	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* (V= 9V) mcd		Wavelength CIE127-2007* nm λP	Viewing Angle 2 θ 1/2
				min.	typ.		
4383H6FL	Blue	InGaN	Blue Diffused	70*	248*	460*	30°

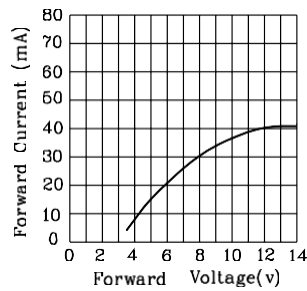
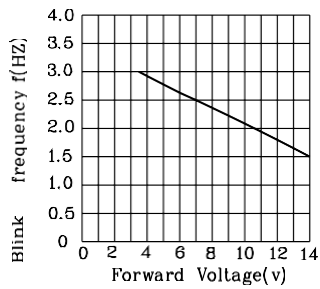
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

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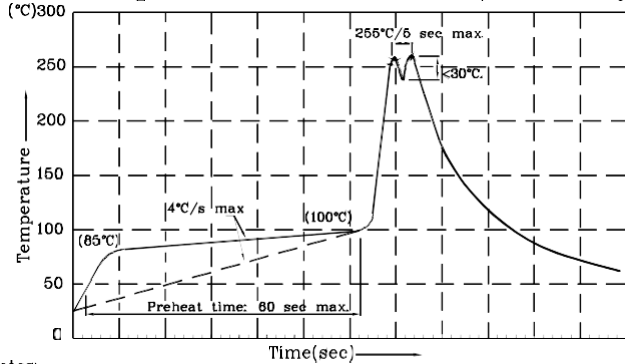
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• **CBD**



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



Notes:

1. Recommend pre-heat temperature of 105°C or less (as measured with a thermocouple attached to the LED pins) prior to immersion in the solder wave with a maximum solder bath temperature of 260°C
2. Peak wave soldering temperature between 245°C ~ 255°C for 3 sec (5 sec max)
3. Do not apply stress to the epoxy resin while the temperature is above 85°C.
4. Fixtures should not incur stress on the component when mounting and during soldering process.
5. SAC 305 solder alloy is recommended.
6. No more than one wave soldering pass.

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

Note: Accuracy may depend on the sorting parameters.