

**Feature:**

- Water Clear Lens
- Flat top lens Piranha
- Package in Tube
- InGaN
- Super Flux Output
- 130 ° Viewing angle

**Description:**

This Super Flux LED has flat top lens. It is ideal for automotive lighting applications.

**Application:**

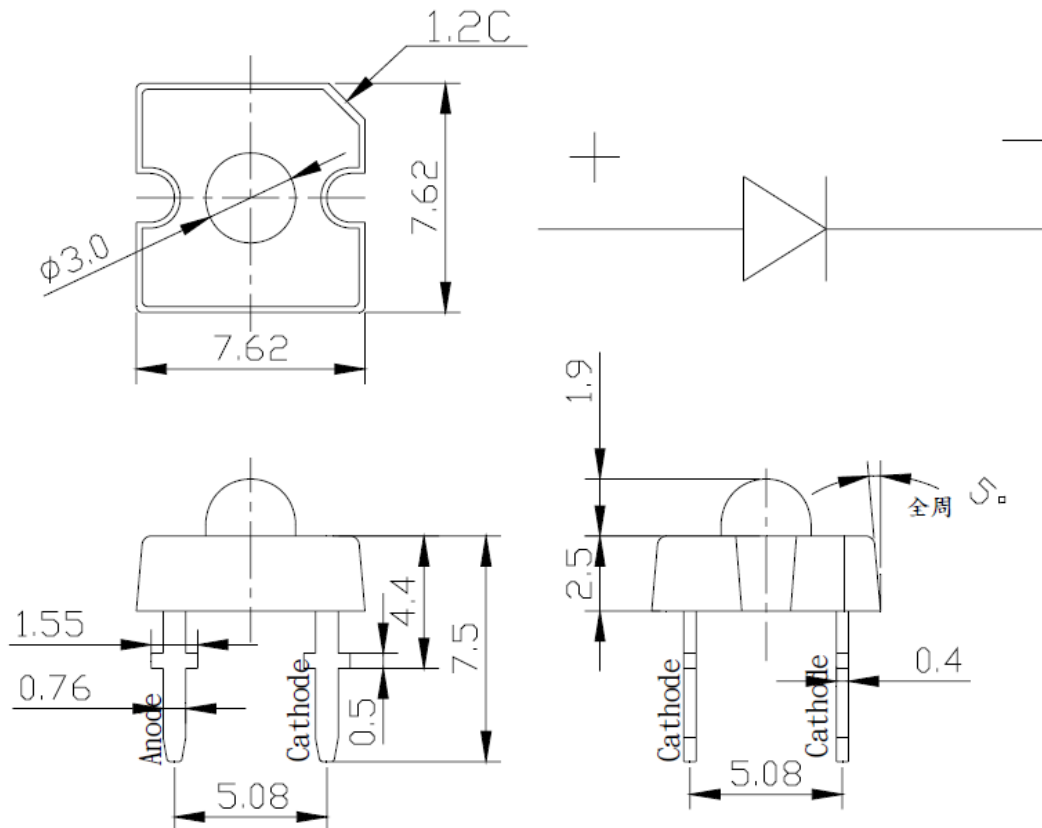
- Automotive lighting
- General lighting

**Certification & Compliance:**

- TS16949
- ISO9001
- RoHS Compliant



**Dimension:**



Units: mm / tolerance = +/-0.2mm

**Electrical / Optical Characteristic** ( $T_A=25^\circ\text{C}$ )

Product	Color	$I_F$ (mA)	$V_F$ (V)		$\lambda_D$ (nm)			$\Phi_v$ (mIm)	
			Typ.	max	Min.	Typ.	Max.	Min	Typ.
QBPP0130C-IBM	Blue	20	3.2	4.0	462	---	473	740	1500

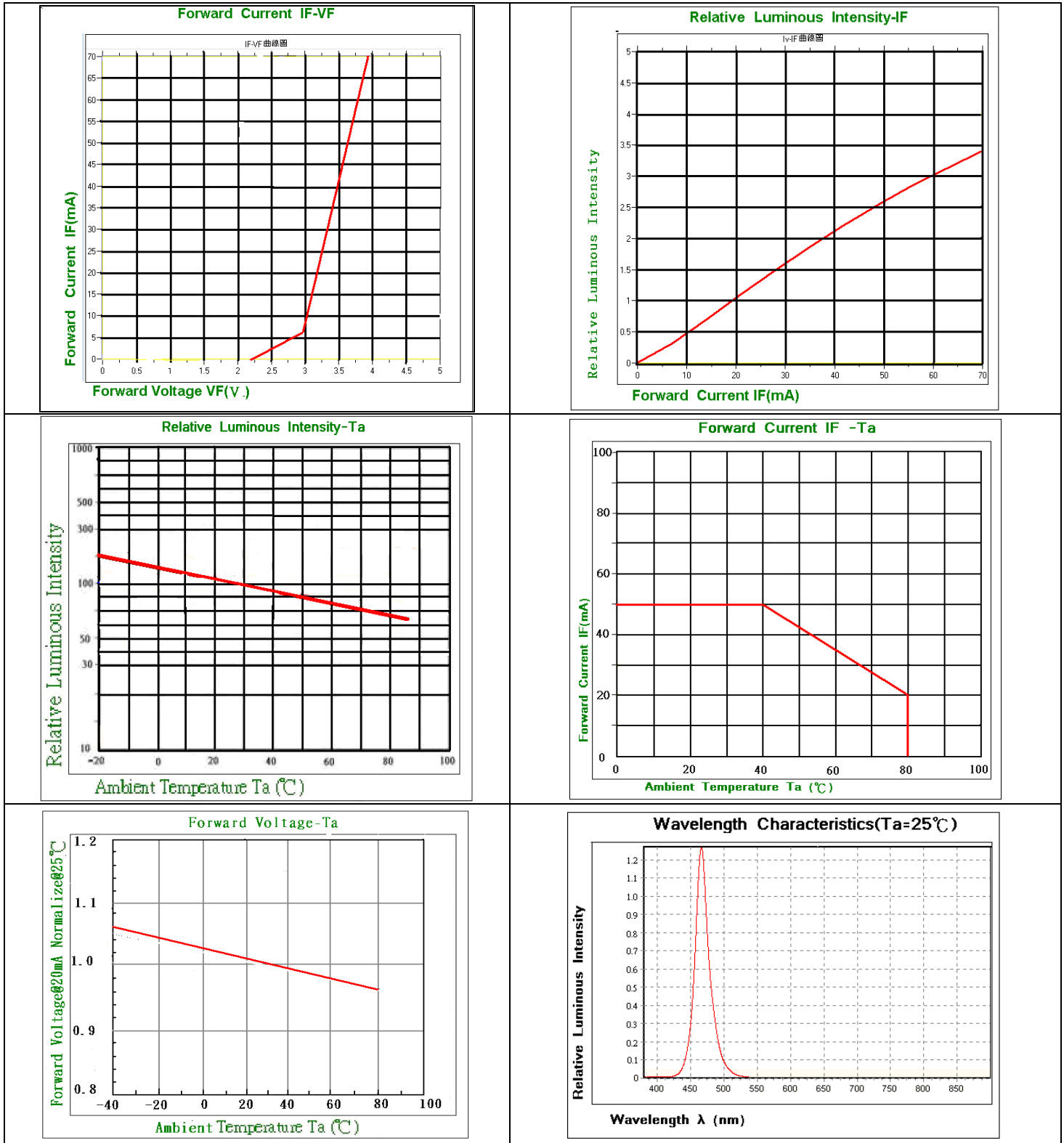
**Absolute Maximum Rating**

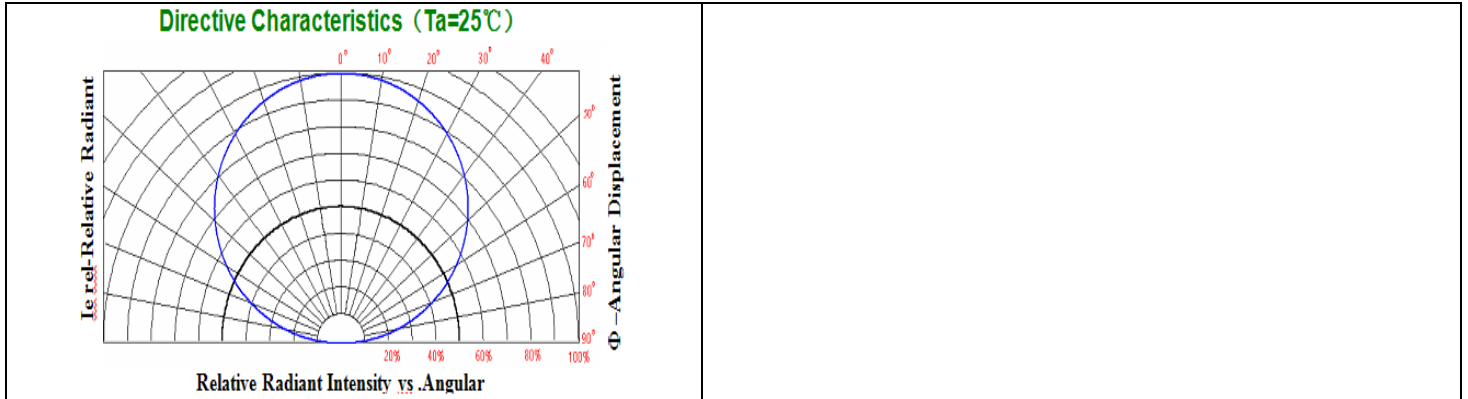
Material	$P_d$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{OP}$ ( $^\circ\text{C}$ )	$T_{ST}$ ( $^\circ\text{C}$ )	$T_{SOL}$ ( $^\circ\text{C}$ )**
InGaN	200	50	100	5	-30 to +80	-40 to +100	260

\*Duty 1/10 @0.1ms Pulse Width

\*\* IR Reflow for no more than 5 sec @ 260 $^\circ\text{C}$

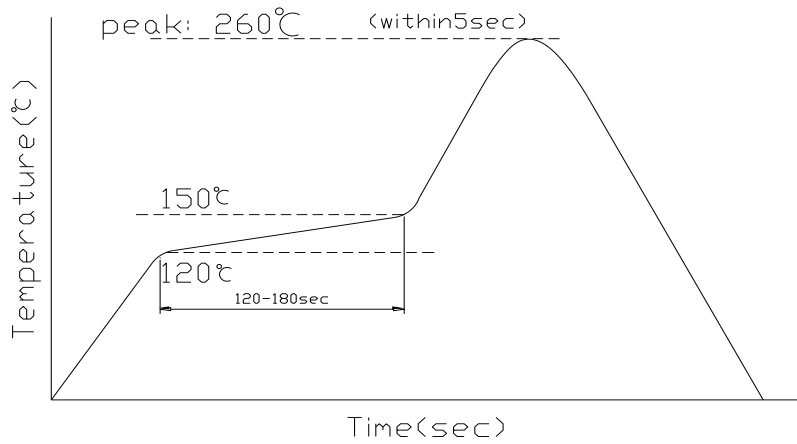
**Characteristic Curves For InGaN:**





**Solder Profile & Footprint:**

WAVE SOLDERING PROFILE FOR LEAD FREE PROCESS:



**Packing: TBD**

Product: QBPP0130C-IBM	Date: June 25, 2011	Page 4 of 6
	Version# 1.0	

**Labeling:**

Part No: \_\_\_\_\_

Customer P/N: \_\_\_\_\_

Item: \_\_\_\_\_

Q'ty: \_\_\_\_\_

Vf: \_\_\_\_\_

Iv: \_\_\_\_\_

WI: \_\_\_\_\_

Date: \_\_\_\_\_

**Made in China****Ordering Information:**

Part #	Orderable Part #	Spec Range	Quantity per Tube
QBPP0130C-IBM	QBPP0130C-IBM	$\Phi v = 1500 \text{ mlm typ. @ } I_F=20\text{mA}$ $\lambda_D=462-473\text{nm}$	TBD

**Revision History:**

Description:	Revision #	Revision Date
New Release of QBPP0130C-IBM	V1.0	06/25/2010

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2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.