

**Feature:**

- Water Clear Lens
- Flat Top lens Piranha
- Package in Tube
- InGaN -White
- Super Flux Output
- 120 ° Viewing angle

**Description:**

This Super Flux LED has Flat Top Lens. It is ideal for automotive lighting applications.

**Application:**

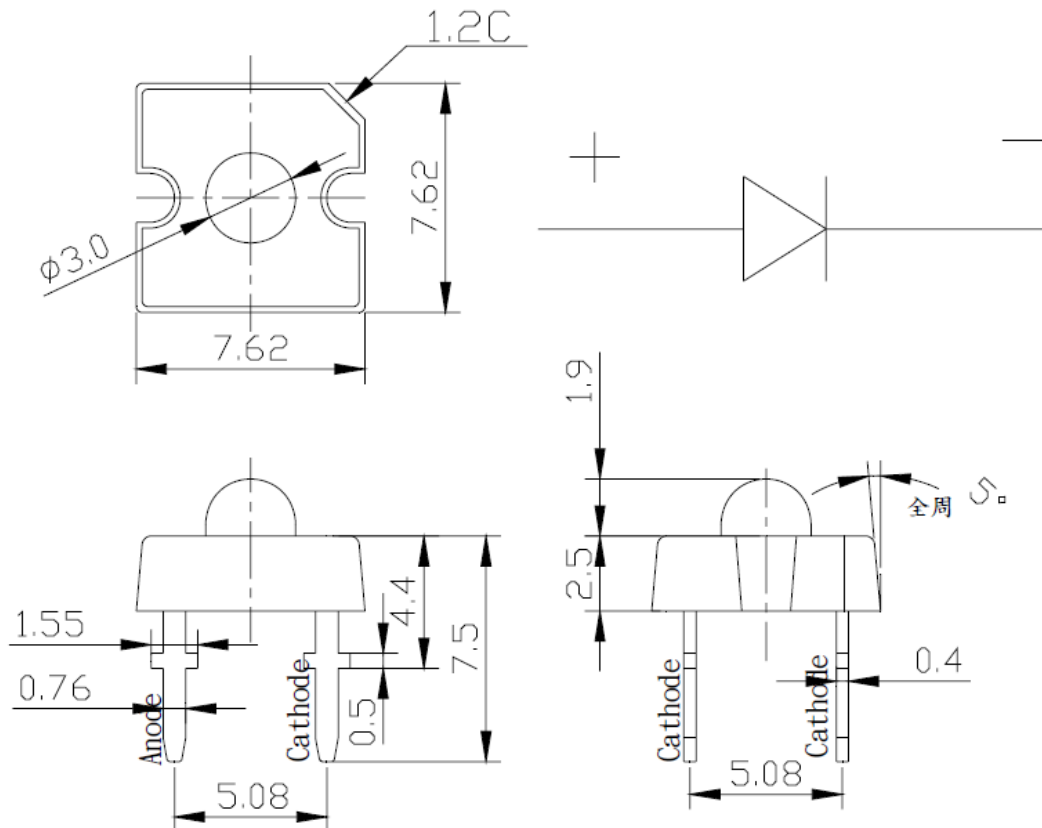
- Automotive lighting
- General lighting

**Certification & Compliance:**

- TS16949
- ISO9001
- RoHS Compliant



**Dimension:**



Units: mm / tolerance = +/-0.2mm

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

Product	Color	$I_F$ (mA)	$V_F$ (V)		$\lambda_D$ (nm)			$\Phi_V$ (mlm)	
			Typ.	max	Min.	Typ.	Max.	Min	Typ.
QBPP0120C-IW	White	20	3.2	4.0	---	X=0.271	---	2120	4400
						Y=0.263			

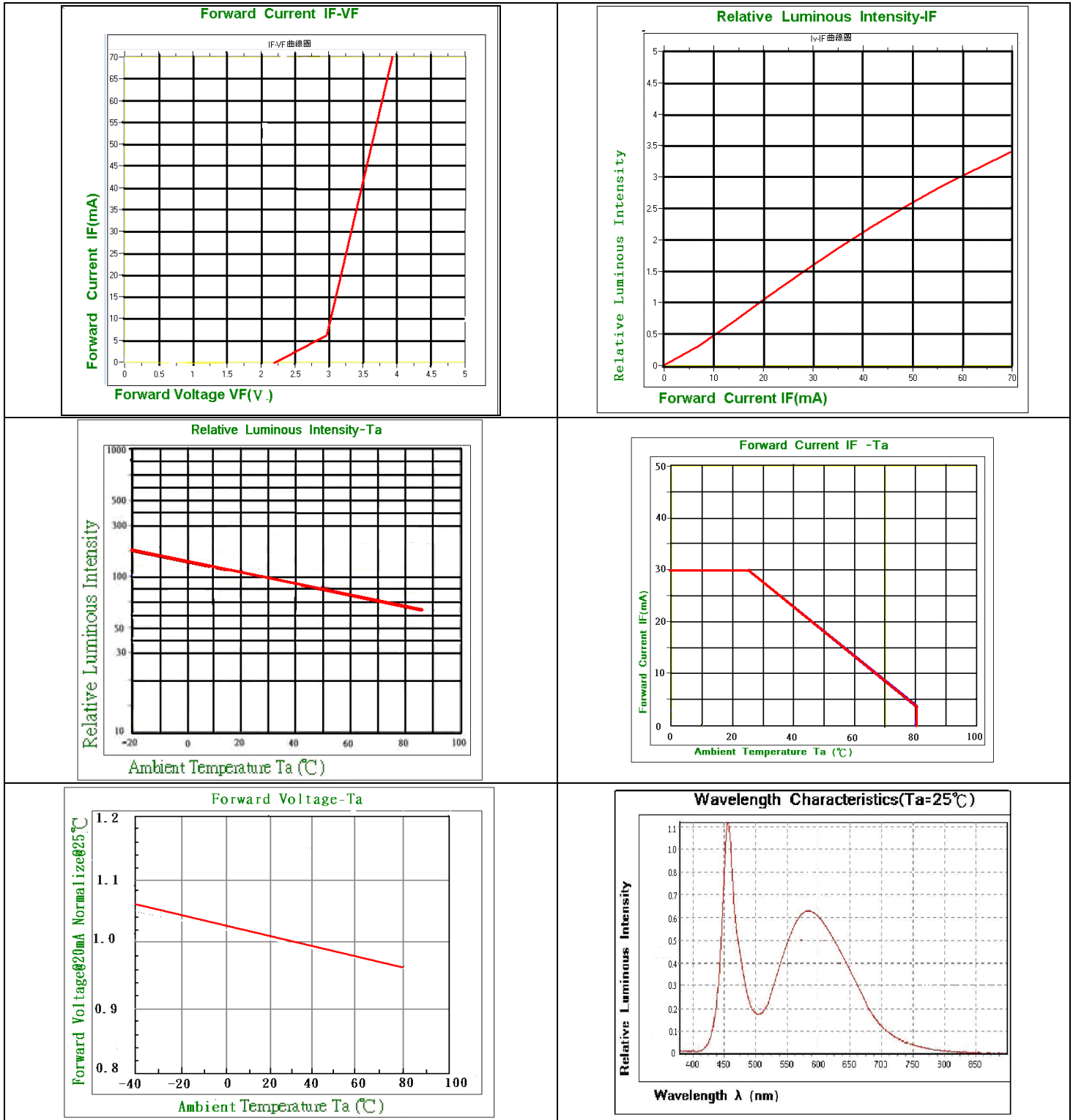
**Absolute Maximum Rating**

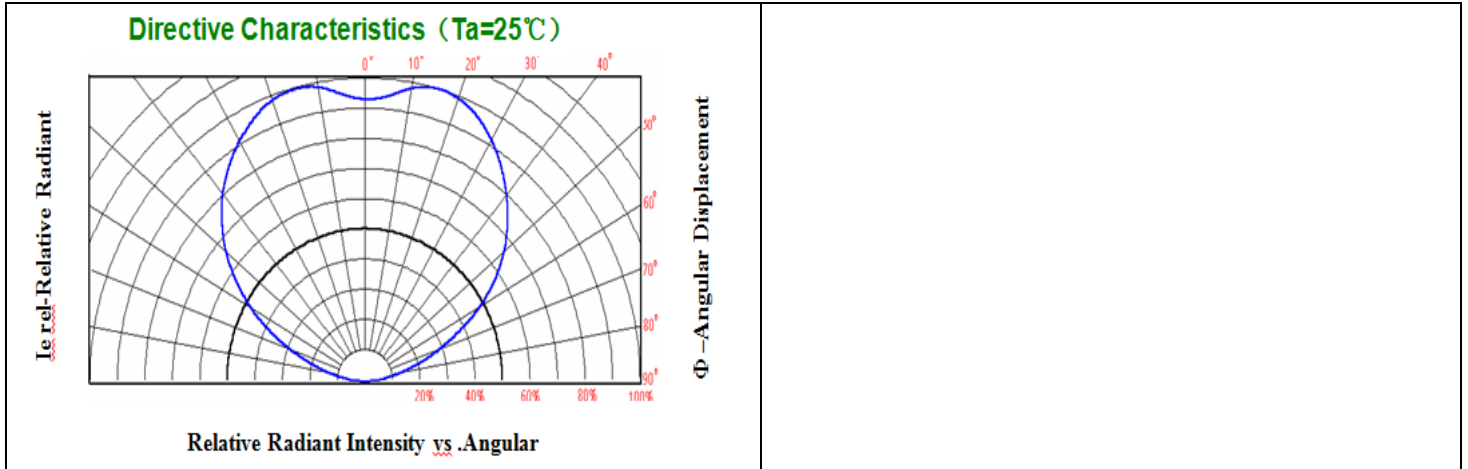
Material	$P_d$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{OP}$ ( $^\circ\text{C}$ )	$T_{ST}$ ( $^\circ\text{C}$ )	$T_{SOL}$ ( $^\circ\text{C}$ )**
InGaN	120	30	100	5	-30 to +80	-40 to +100	260

\*Duty 1/10 @0.1ms Pulse Width

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

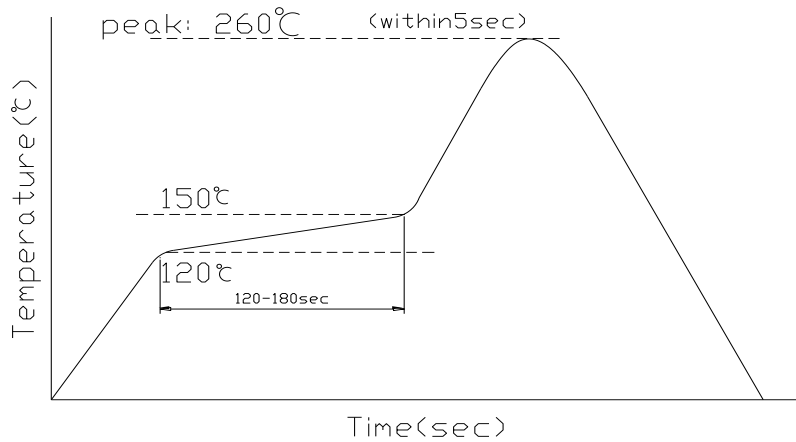
**Characteristic Curves For InGaN:**





**Solder Profile & Footprint:**

WAVE SOLDERING PROFILE FOR LEAD FREE PROCESS:



**Packing: TBD**

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**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
QBPP0120C-IW	QBPP0120C-IW	$\Phi v = 4400 \text{ mlm typ. @ } I_F=20\text{mA}$ (X,Y)=(0.335,0.355)	TBD

**Revision History:**

Description:	Revision #	Revision Date
New Release of QBPP0120C-IW	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.