

**Feature:**

- Water Clear Lens
- Flat Top lens Piranha
- Package in Tube
- AlInGaP technology for R/Y
- Super Flux Output
- 130 ° Viewing angle
- XX= Color

**Description:**

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

**Application:**

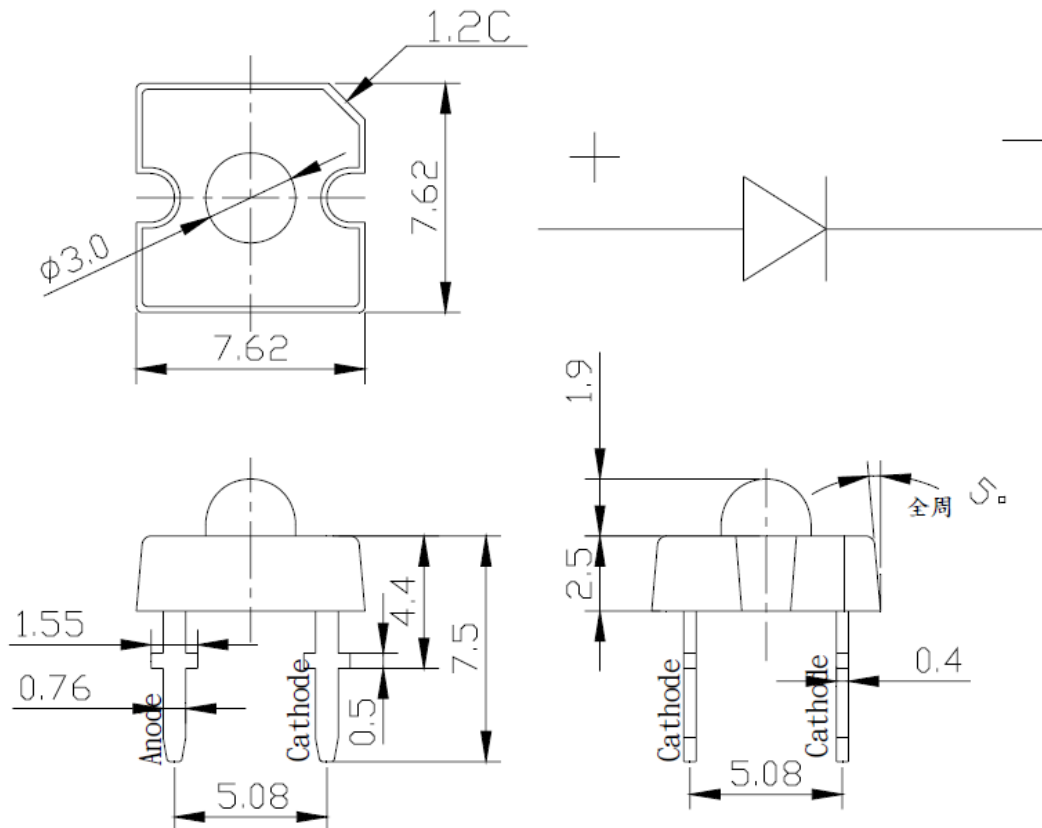
- Automotive lighting
- General lighting

**Certification & Compliance:**

- TS16949
- ISO9001
- RoHS Compliant



**Dimension:**



Units: mm / tolerance = +/-0.2mm

Product: QBPP0130C-XX	Date: June 25, 2011	Page 1 of 6
	Version# 1.0	

**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-R	Red	20	2.3	2.7	620	---	630	1630	3000
QBPP0130C-Y	Yellow	20	2.3	2.7	585	---	597	1250	2500

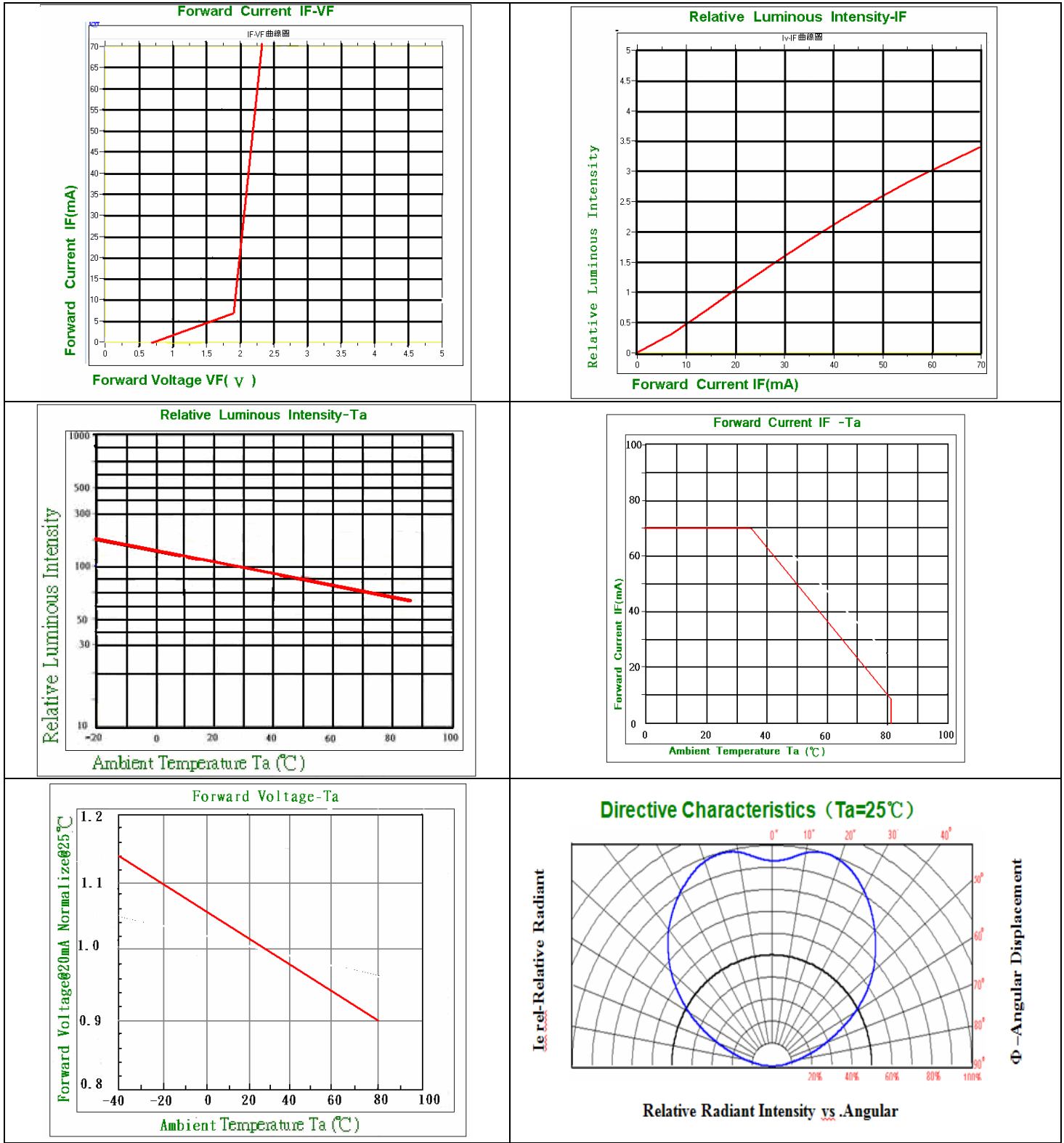
**Absolute Maximum Rating**

Material	$P_d$ (mW)	$I_F$ (mA)	$I_{FP}$ (mA)*	$V_R$ (V)	$T_{OP}$ ( $^\circ\text{C}$ )	$T_{ST}$ ( $^\circ\text{C}$ )	$T_{SOL}$ ( $^\circ\text{C}$ )**
AllnGaP	200	70	100	5	-30 to +80	-40 to +100	260

\*Duty 1/10 @0.1ms Pulse Width

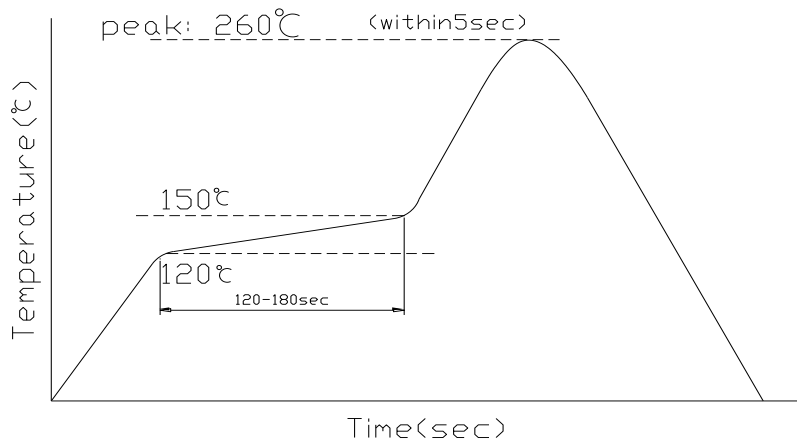
\*\* IR Reflow for no more than 5 sec @ 260 $^\circ\text{C}$

**Characteristic Curves For AlInGaP:**



**Solder Profile & Footprint:**

WAVE SOLDERING PROFILE FOR LEAD FREE PROCESS:



**Packing: TBD**

**Labeling:**



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

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

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

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

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

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

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

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

**Made in China**

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

**Ordering Information:**

Part #	Orderable Part #	Spec Range	Quantity per Tube
QBPP0130C-R	QBPP0130C-R	$\Phi_v = 3000$ mlm typ. @ $I_F=20$ mA $\lambda_D=620-630$ nm	TBD
QBPP0130C-Y	QBPP0130C-Y	$\Phi_v = 2500$ mlm typ. @ $I_F=20$ mA $\lambda_D=585-597$ nm	TBD

**Revision History:**

Description:	Revision #	Revision Date
New Release of QBPP0130C-XX	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.