Feature:

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

Description:

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

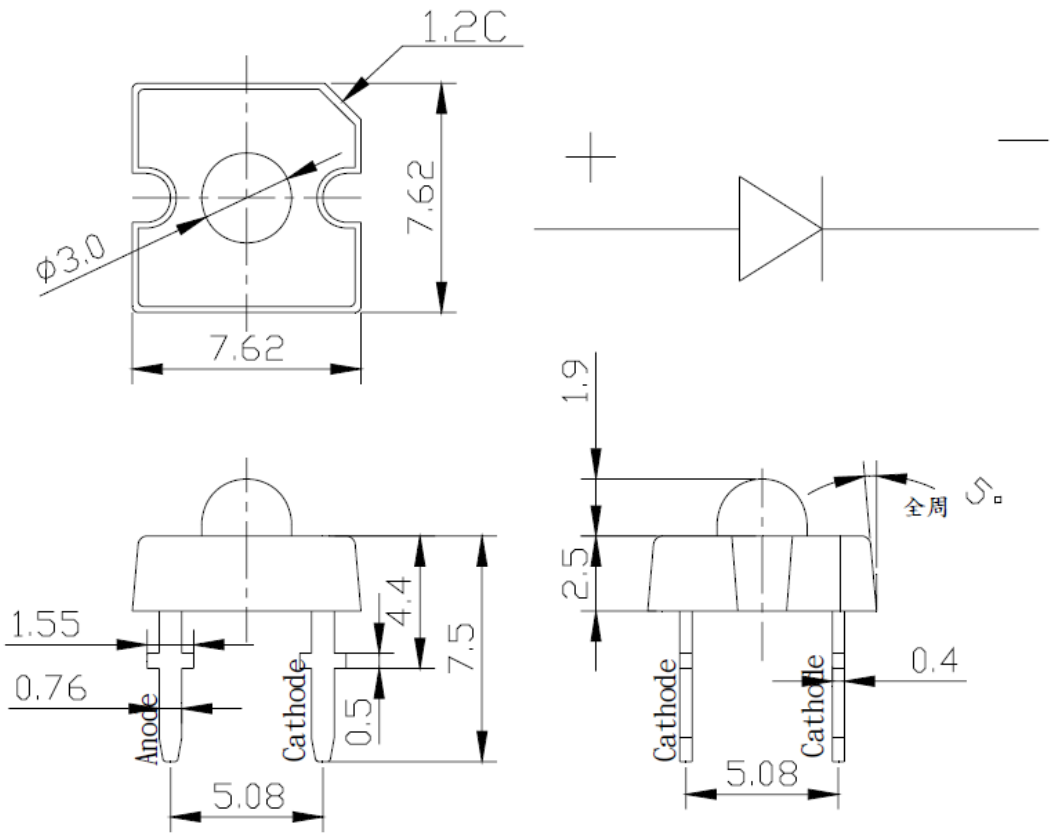
Application:

- Automotive lighting
- General lighting

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant

Dimension:



Units: mm / tolerance = +/-0.2mm

Electrical / Optical Characteristic (T_A=25 °C)

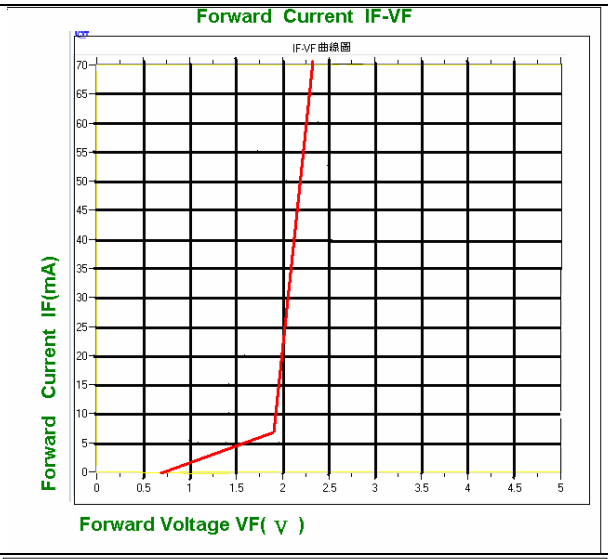
Product	Color	I_F(mA)	V_F(V)		λ_D (nm)			Φ_V(mlm)	
			Typ.	max	Min.	Typ.	Max.	Min	Typ.
QBPP0130C-R	Red	20	2.3	2.7	620	---	630	1630	3000
QBPP0130C-Y	Yellow	20	2.3	2.7	585	---	597	1250	2500

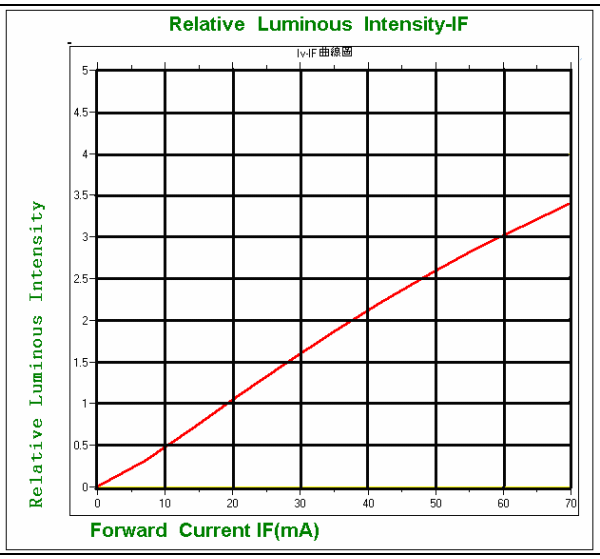
Absolute Maximum Rating

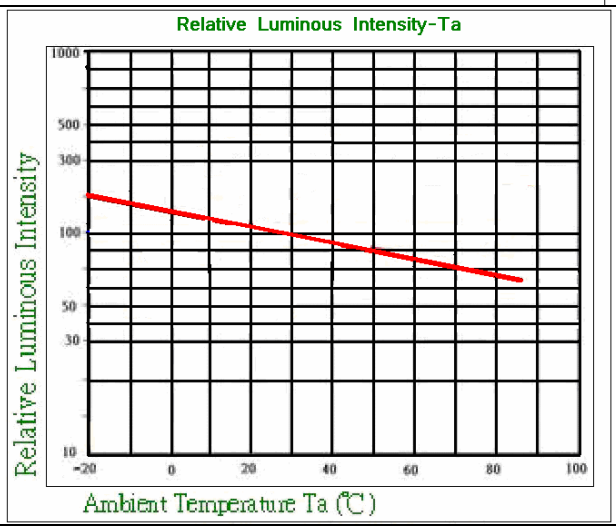
Material	P_d (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{OP} (°C)	T_{ST} (°C)	T_{SOL} (°C)**
AlInGaP	200	70	100	5	-30 to +80	-40 to +100	260

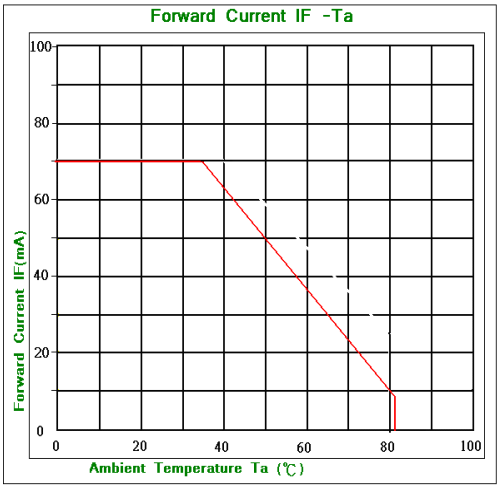
*Duty 1/10 @0.1ms Pulse Width
** IR Reflow for no more than 5 sec @ 260 °C

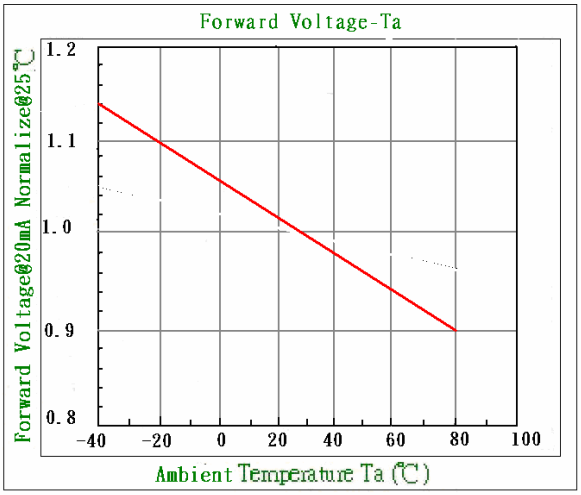
Characteristic Curves For AlInGaP:

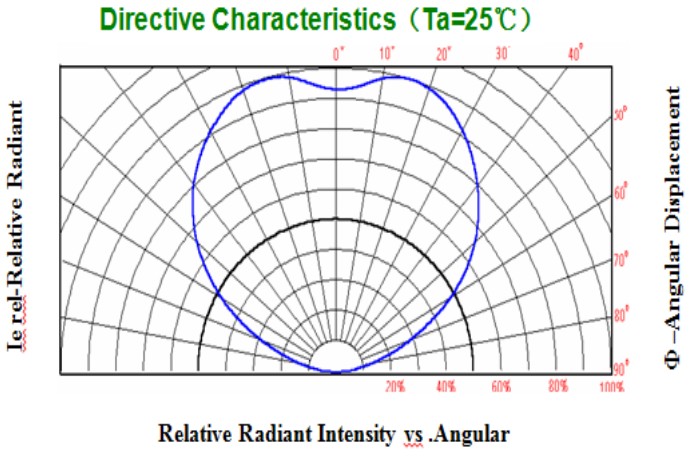






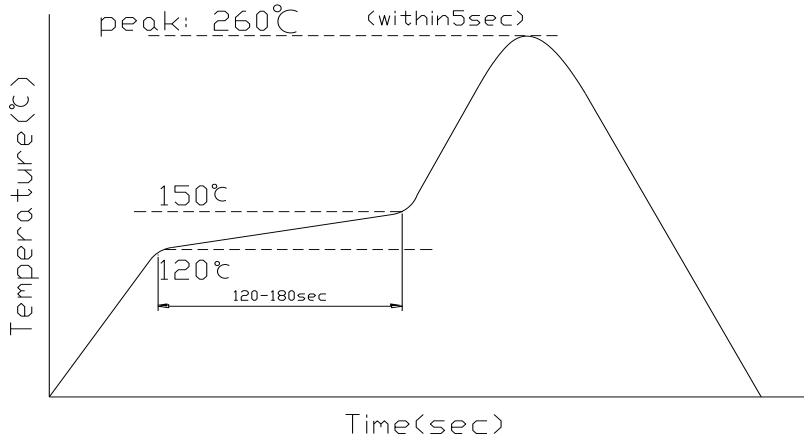






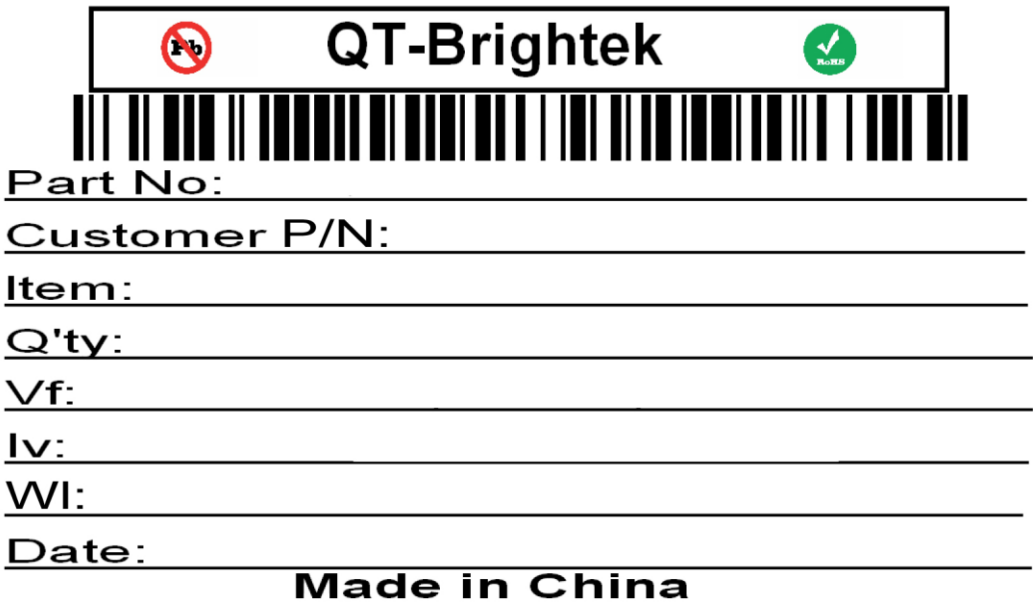
Solder Profile & Footprint:

WAVE SOLDERING PROFILE FOR LEAD FREE PROCESS:



Packing: TBD

Labeling:



Ordering Information:

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

Revision History:

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

Disclaimer

QT-BRIGHTEK reserves the right to make changes without further notice to any products herein to improve reliability, function or design. QT-BRIGHTEK does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights, nor the rights of others.

Life Support Policy

QT-BRIGHTEK's products are not authorized for use as critical components in life support devices or systems without the express written approval of QT-BRIGHTEK. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.

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.