Feature:

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

Description:

This Super Flux LED has 3 mm lens height. It is ideal for automotive lighting applications.

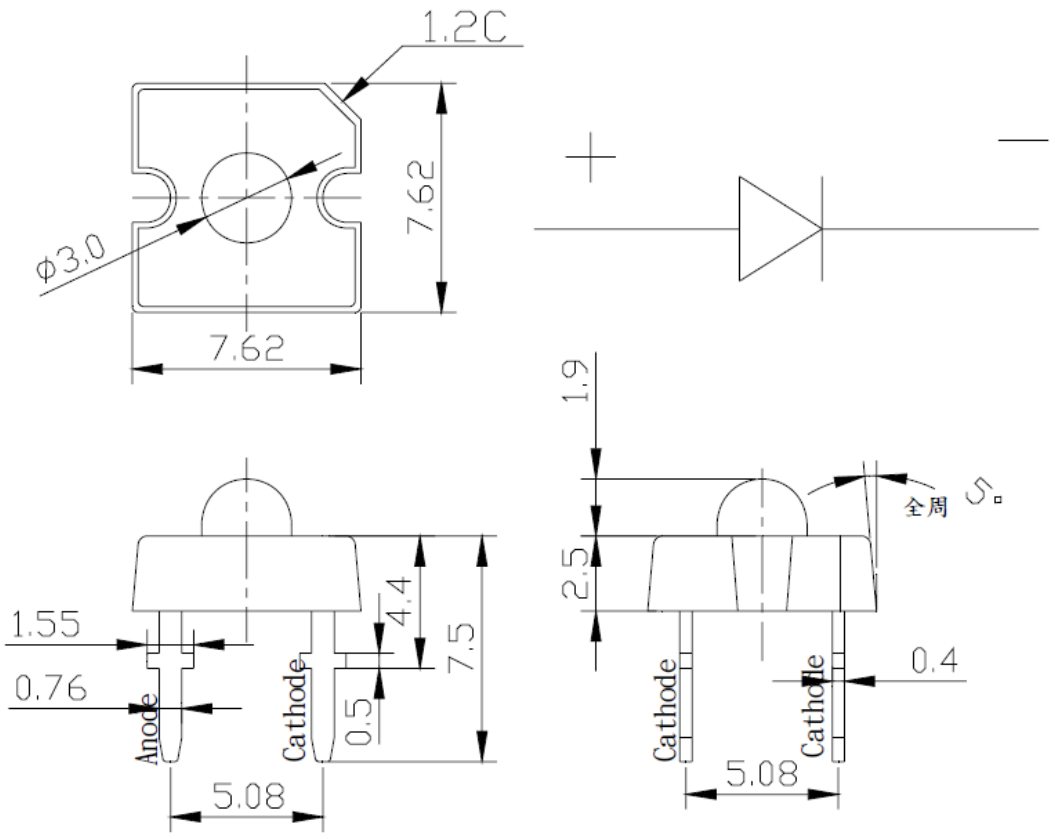
Application:

- Automotive lighting
- General lighting

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant

Dimension:



Units: mm / tolerance = +/-0.2mm

Electrical / Optical Characteristic (T_A=25 °C)

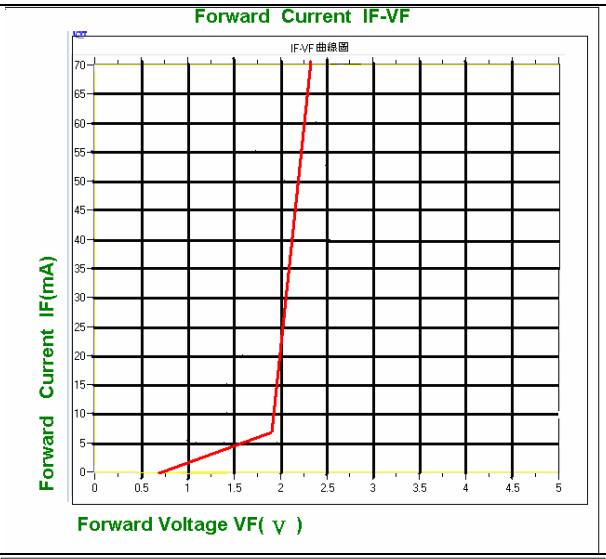
Product	Color	I_F(mA)	V_F(V)		λ_D (nm)			Φ_V(mlm)	
			Typ.	max	Min.	Typ.	Max.	Min	Typ.
QBPP390C-RD	Red	50	2.3	2.7	620	---	630	2760	6000
QBPP390C-YD	Yellow	50	2.3	2.7	585	---	597	3590	6000

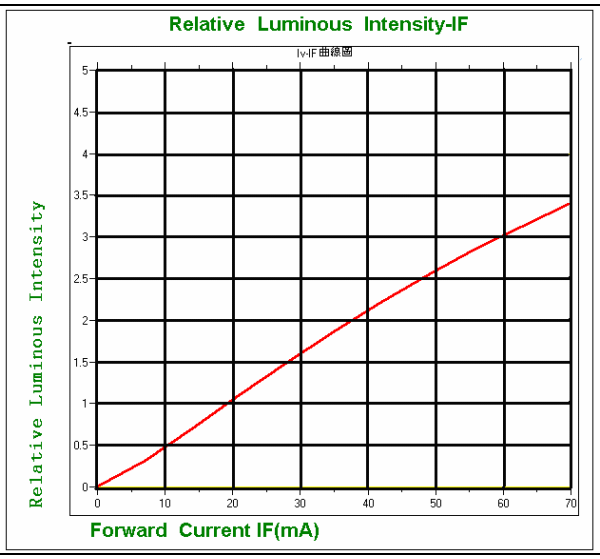
Absolute Maximum Rating

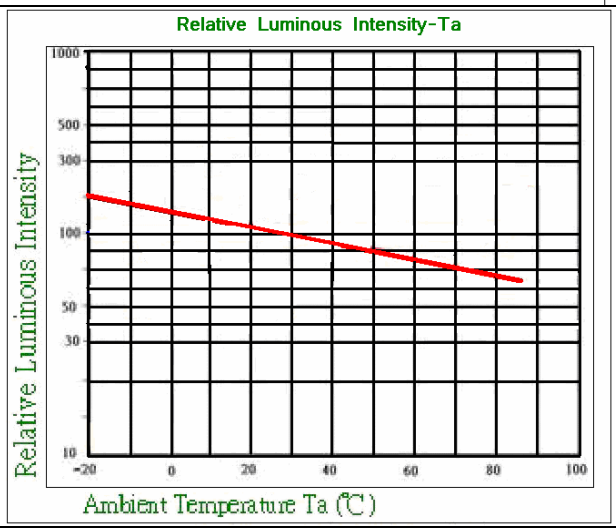
Material	P_d (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{OP} (°C)	T_{ST} (°C)	T_{SOL} (°C)**
AlInGaP	180	60	100	8	-30 to +80	-40 to +100	260

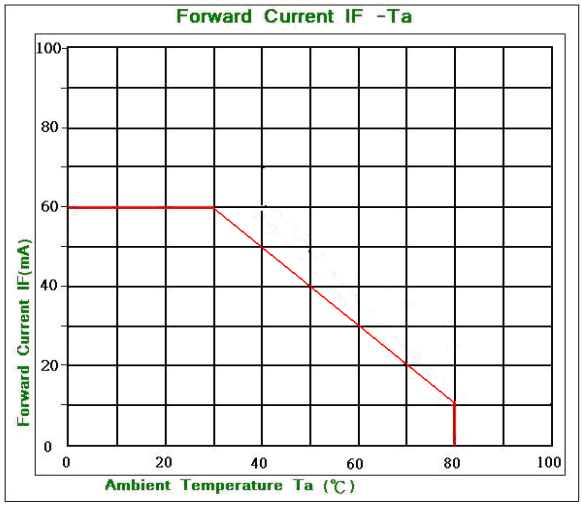
*Duty 1/10 @0.1ms Pulse Width
** IR Reflow for no more than 5 sec @ 260 °C

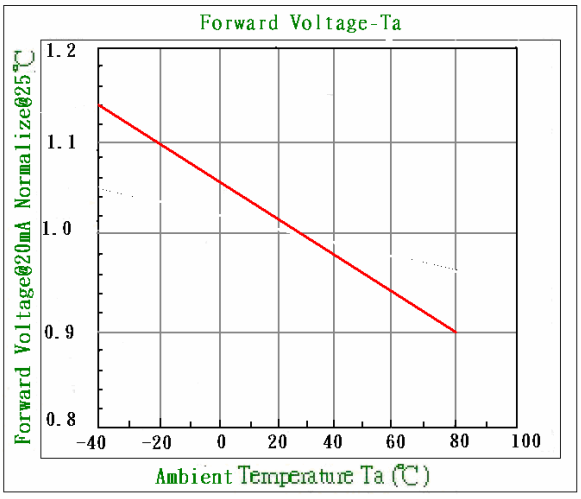
Characteristic Curves For AlInGaP:

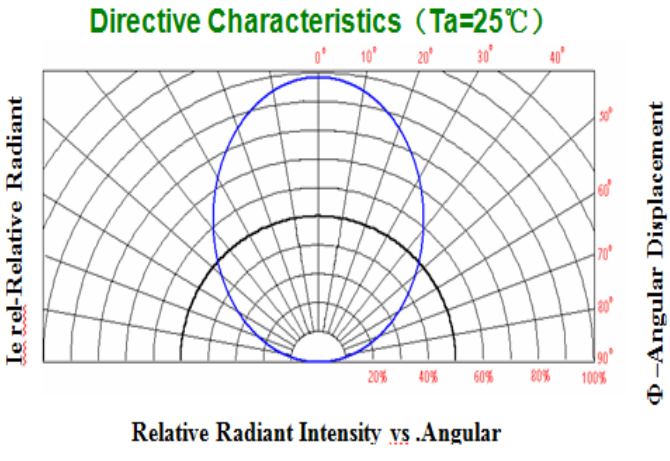






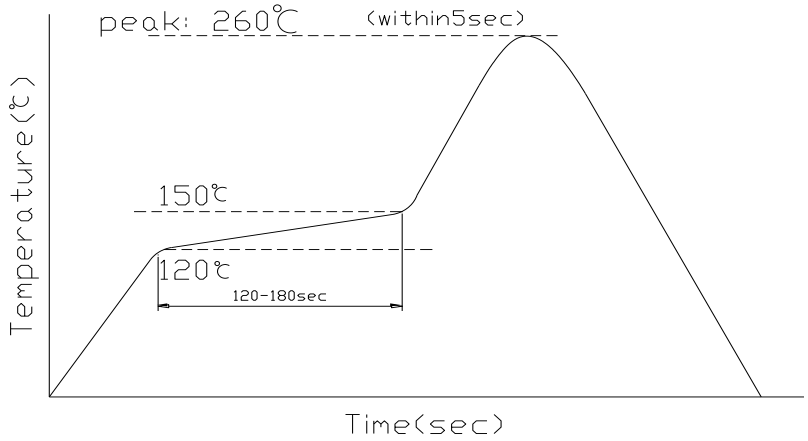






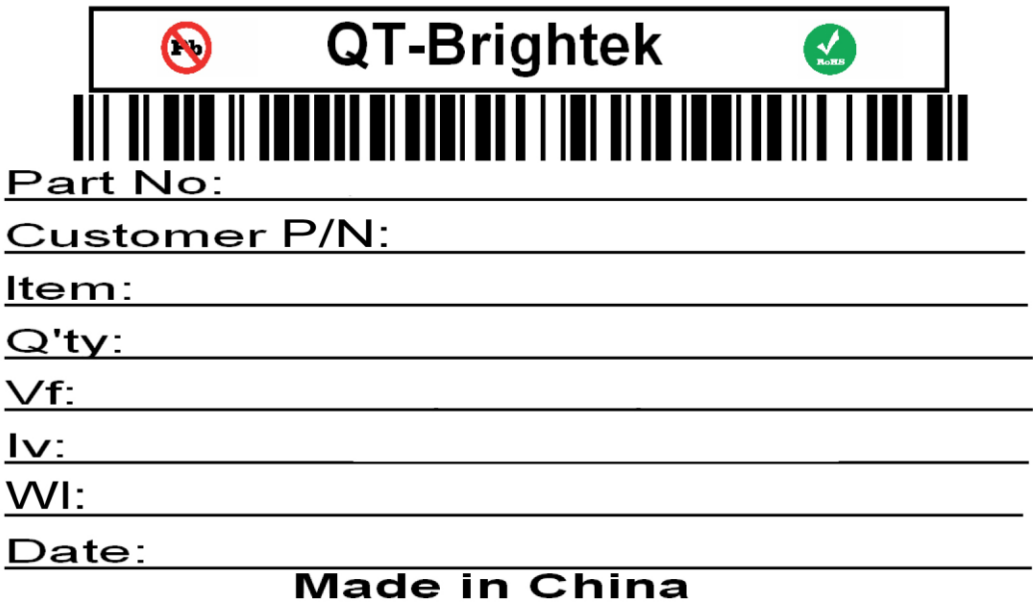
Solder Profile & Footprint:

WAVE SOLDERING PROFILE FOR LEAD FREE PROCESS:



Packing: TBD

Labeling:



Ordering Information:

Part #	Orderable Part #	Spec Range	Quantity per Tube
QBPP390C-RD	QBPP390C-RD	Φ v = 6000 mlm typ. @ I_F=50mA λ_D=620-630nm	TBD
QBPP390C-YD	QBPP390C-YD	Φ v = 6000 mlm typ. @ I_F=50mA λ_D=585-597nm	TBD

Revision History:

Description:	Revision #	Revision Date
New Release of QBPP390C-XXD	V1.0	06/25/2010

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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.