Feature:

- Water clear lens
- Package in tape and reel
- Ultra bright 0606 LED package
- GaAsP technology for Yellow
- GaP technology for Yellow-Green

Description:

These ultra bright 0606 YYG LEDs have a height profile of 0.80mm. Combination of high brightness output and small footprint, these LEDs are ideal for keypad backlighting, status indication, and color mixing applications.

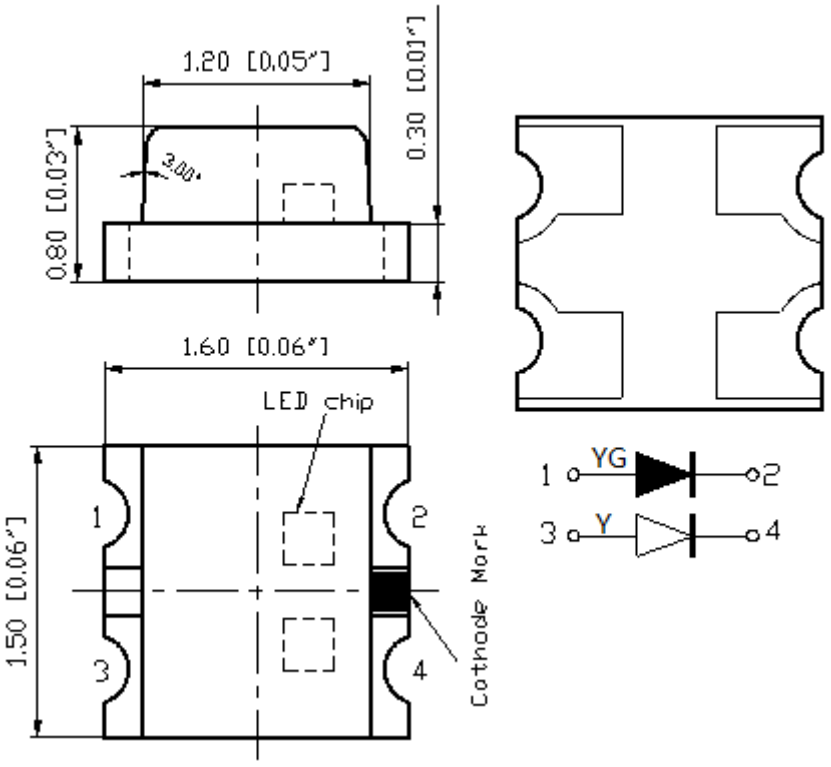
Application:

- Status indication
- Back lighting application

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant

Dimension:



Units: mm / tolerance = +/-0.1mm

Electrical / Optical Characteristic (T=25 °C)

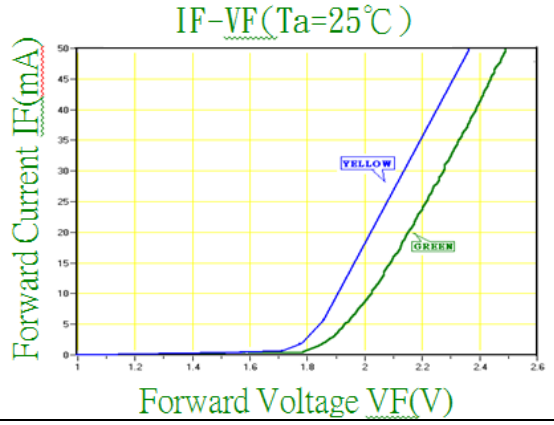
Product	Color	I_F(mA)	V_F(V)		λ_D (nm)			I_V(mcd)	
			Typ.	Max.	Min.	Typ.	Max.	min	typ.
QBLP600-YYG	Yellow	20	2.1	2.6	--	590	--	7	10
	Yellow-Green	20	2.1	2.6	--	573	--	9	12

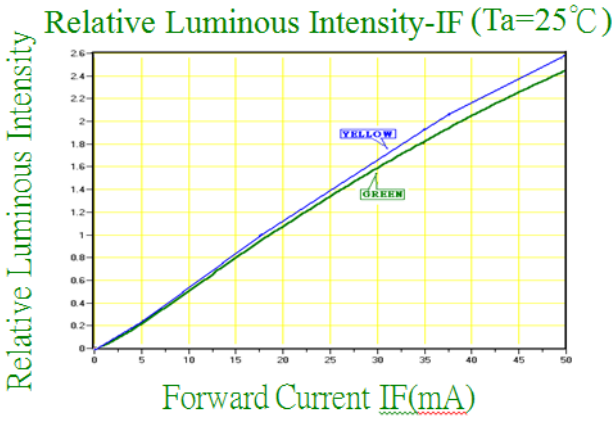
Absolute Maximum Rating

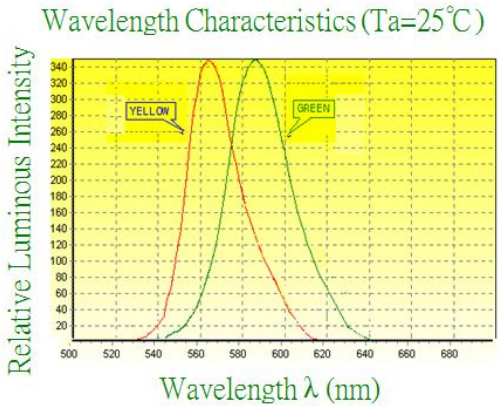
Part #	P_d (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{OP} (°C)	T_{ST} (°C)	T_{SOL} (°C)**
GaAsP	80	30	125	5	-40 - 85	-40 - 100	260
GaP	85	30	125	5	-40 - 85	-40 - 100	260

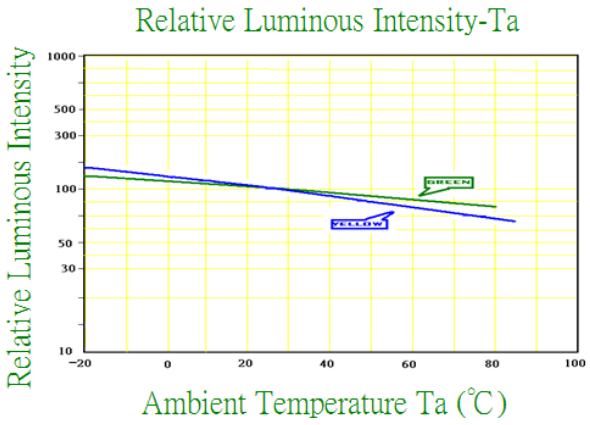
*Duty 1/10 @ 10KHz
** IR Reflow for no more than 10 sec @ 260 °C

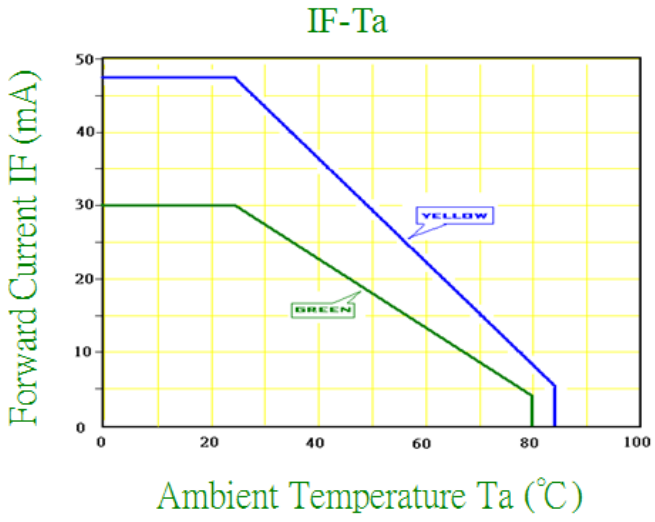
Characteristic Curves:

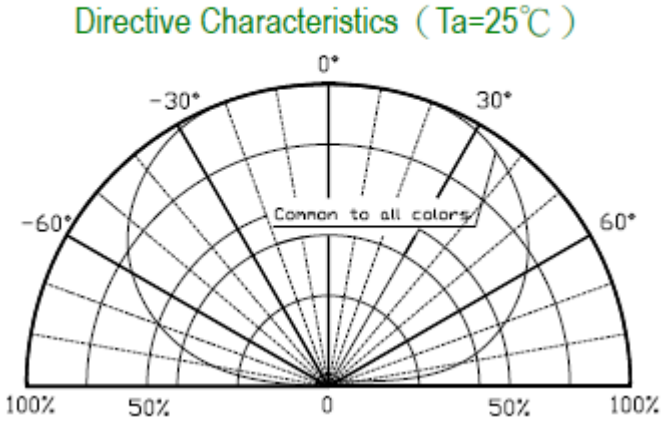






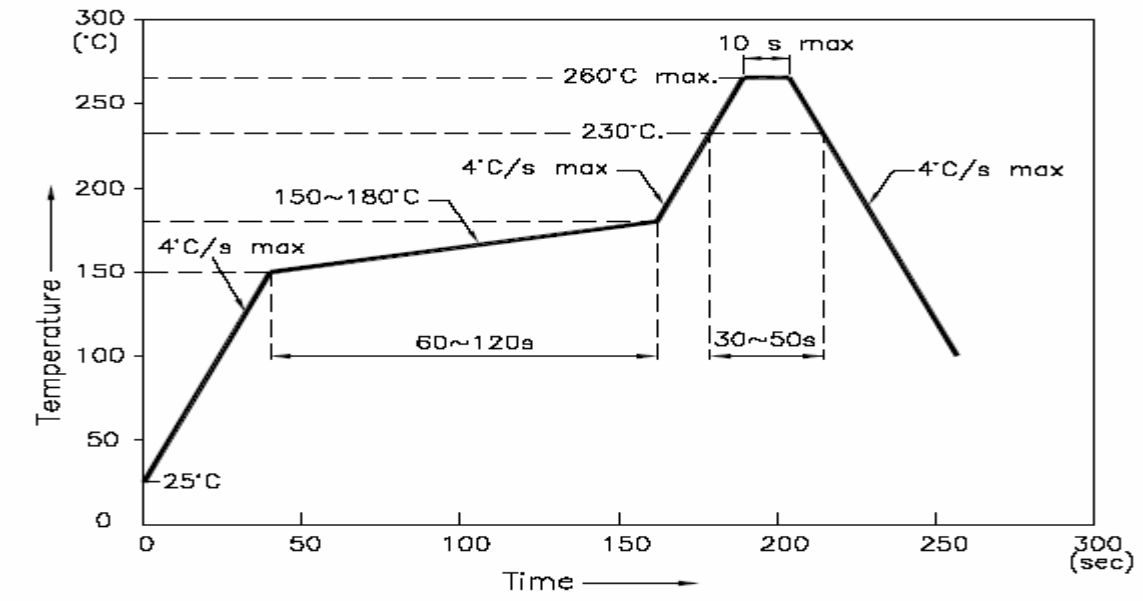


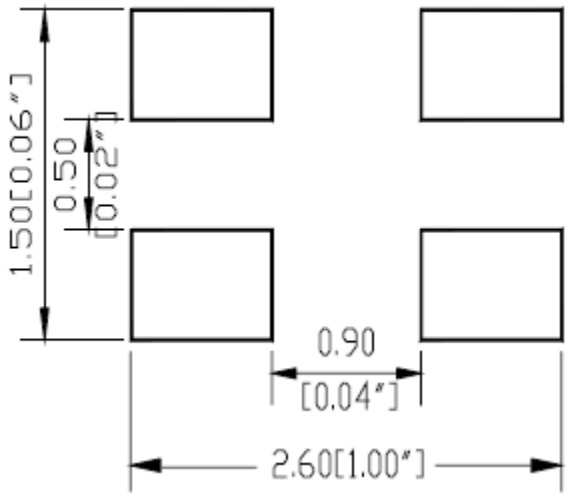




Solder Profile & Footprint:

-Recommended tin glue specifications: melting temperature in the range of 178~192 ^{O}C
-The recommended reflow soldering profile is as follows (temperatures indicated are as measured on the surface of the LED resin):

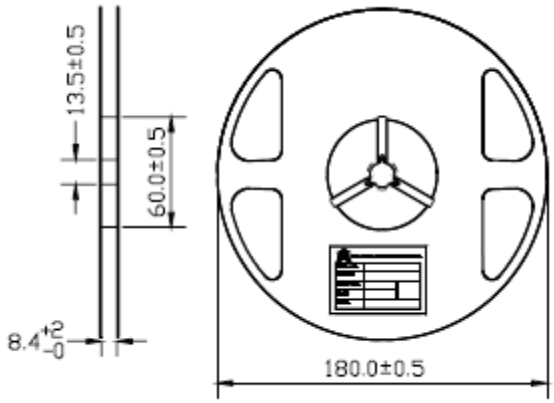




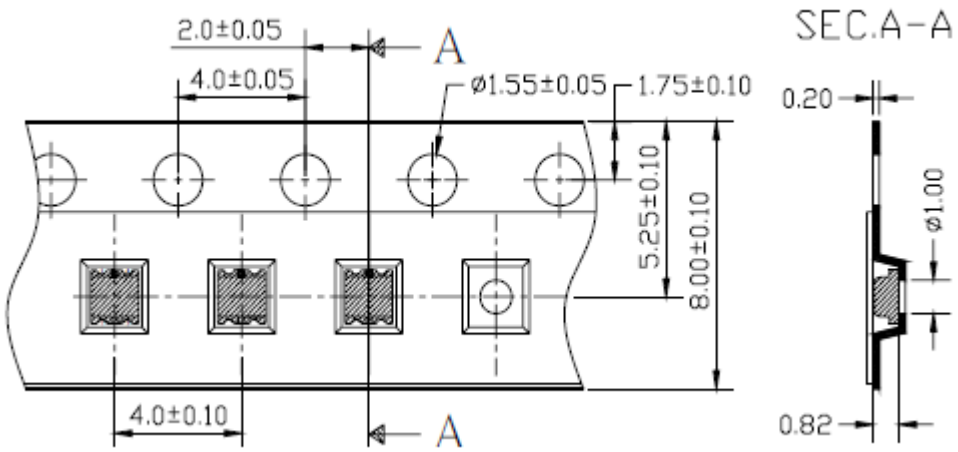
Units: mm tolerance: +/- 0.1mm

Packing:

Reel Dimension:



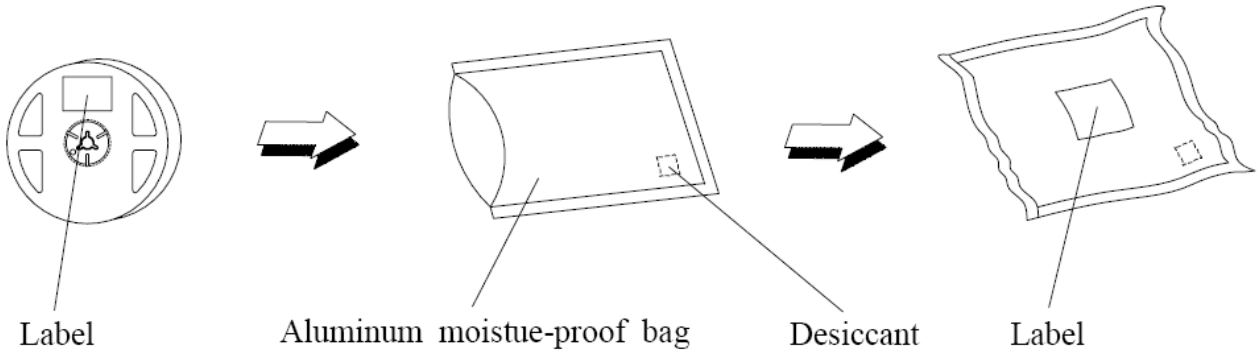
Tape Dimension:



(Unit in mm)

Labeling:





Ordering Information:

Part #	Orderable Part #	Spec Range	Quantity per reel
QBLP600-YYG	QBLP600-YYG	Standard Spec	4,000 units

Revision History:

Description:	Revision #	Revision Date
New Release of QBLP600-YYG	V1.0	06/25/2011