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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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QT-Brightek Side View LED Series

0602 Side View LED

Part No.: QBLP617-YG

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Introduction

Feature:

- Water clear lens
- Package in tape and reel
- Side View Ultra bright 0602 LED package
- GaP technology
- 140° Viewing Angle

Description:

These ultra bright side view 0602 LEDs have a height profile of 0.6mm. With higher packing density and smaller footprint, these LEDs are ideal for smaller equipment and miniature application.

Application:

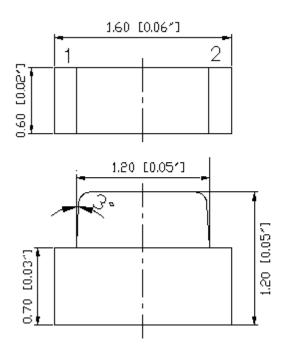
- Status indication
- Back lighting application
- General Use

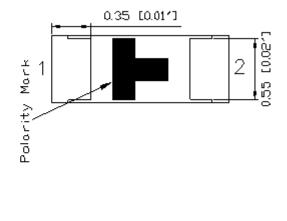
Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:





1•——2

Units: mm / tolerance = +/-0.1mm

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Electrical / Optical Characteristic (Ta=25 °C)

Product	Color	1 (m 1)	V _F (V)			λ _D (nm)		I _V (n	ncd)
	Color	I _F (mA)	Тур.	Max.	Min.	Typ.	Max.	Min.	Тур.
QBLP617-YG	Yellow Green	20	2.0	2.5	565	570	576	5.0	15

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)**
GaP	75	30	125	5	-40 to +80	-40 to +85	260

^{*}Duty 1/8 @ 1kHz

Forward Voltage V_F @ I_F=20mA

Bin	Min.	Max.	Unit
	1.7	2.5	V

Luminous Intensity I_V @ I_F=20mA

	,			
Bin	Min.	Max.	Unit	
8	5.0	8.0		
9	8.0	12.5		
Α	12.5	16	mcd	
В	16	20		
С	20	25		

Dominant Wavelength $\lambda_D @ I_F = 20 \text{mA}$

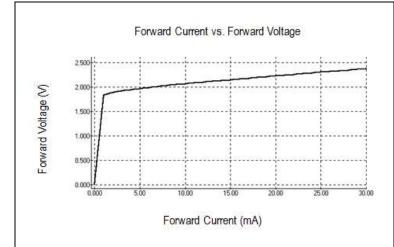
Bin	Min.	Max.	Unit
h	565	568	
i	568	572	nm
j	572	576	

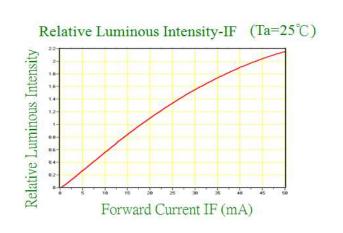
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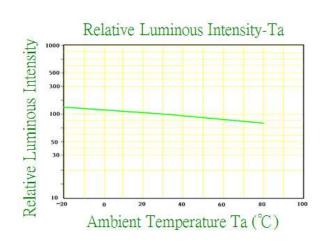
^{**}IR Reflow for no more than 10 sec @ 260 °C

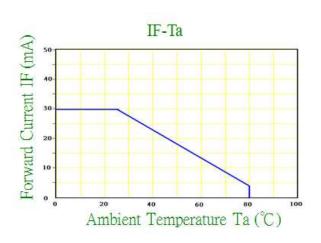


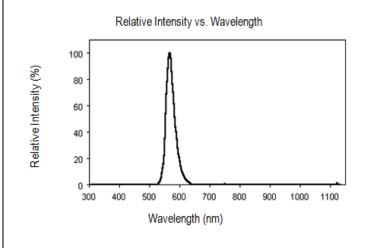
Characteristic Curves

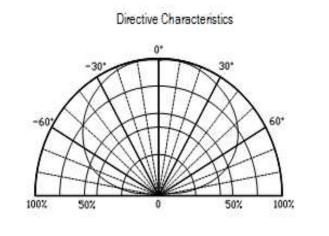










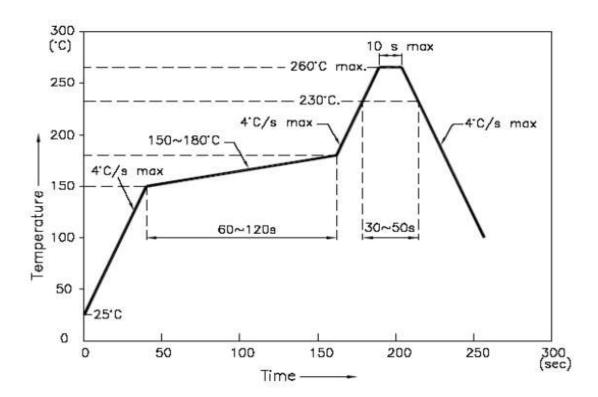


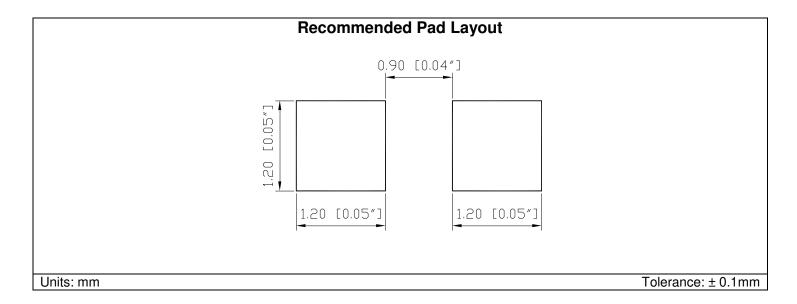
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Solder Profile & Footprint

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



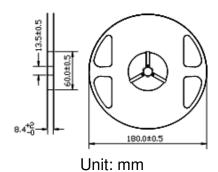


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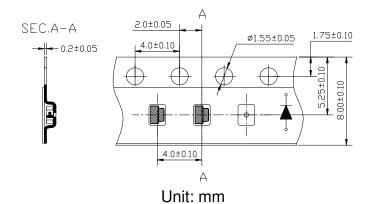


Packing

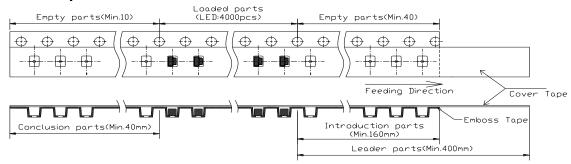
Reel Dimension:



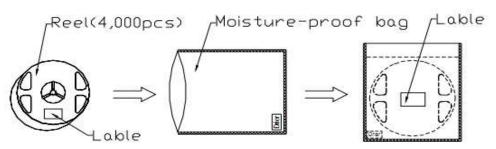
Tape Dimension:



Arrangement of Tape:



Packaging Specifications:



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Labeling

	₽ ₀	QT-Brightek	
Par	t No:		
Cu	stomer	P/N:	
<u>lten</u>	n:		
Q'ty	y :		
∨f :			
lv:			
WI:			
<u>Dat</u>	te:	Made in China	
		iviau e III CIIIIIa	

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per reel
QBLP617-YG	QBLP617-YG	Iv=15mcd typ. @ I_F =20mA, λ_D =565nm ~ 576nm	4,000 units

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Revision History

Description:	Revision #	Revision Date
New Release of QBLP617-YG	V1.0	09/25/2014

Disclaimer

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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.

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