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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 Chip LED Series 0805 IR LED

Part No.: QBLP630-IR2

Product: QBLP630-IR2	Date: May 04, 2015	Page 1 of 9
	Version# 1.0	

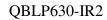




Table of Contents:	
ntroduction	3
Electrical / Optical Characteristic (Ta=25 °C)	4
Absolute Maximum Rating	
Characteristic Curves	
Solder Profile & Footprint	6
Packing	7
_abeling	
Ordering Information	8
Revision History	g
Disclaimer	
	•

Product: QBLP630-IR2	Date: May 04, 2015	Page 2 of 9
	Version# 1.0	



Introduction

Feature:

- Water clear lens
- Package in tape and reel
- 0805 Package
- AlGaAs technology
- Viewing Angle = 140 deg

Description:

This 0805 IR LED has a height profile of 1.1mm. With a small footprint, this IR LED is ideal for smaller equipment and miniature application.

Application:

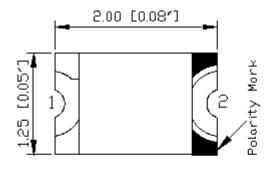
- Infrared Sensor
- Optoelectronic Switch
- Smoke detector
- Drive sensor

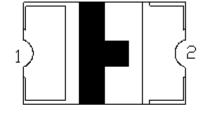
Certification & Compliance:

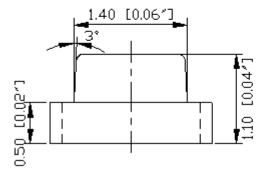
- TS16949
- ISO9001
- RoHS Compliant

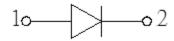


Dimension:









Units: mm / tolerance = +/-0.1mm

Product: QBLP630-IR2	Date: May 04, 2015	Page 3 of 9
	Version# 1.0	



Electrical / Optical Characteristic (Ta=25 °C)

Product Color I	Color	Color I (mA)		V _F (V)		λ _P (nm)		le	e (mW/s	r)
	or I _F (mA)	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.	
QBLP630-IR2	Infrared	20	1.4	1.8	-	880	-	0.2	0.55	2.10

Absolute Maximum Rating

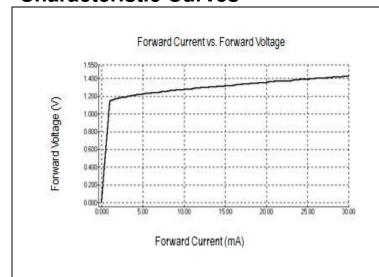
Material	P _d (mW)	I _F (mA)	I _{FP} (A)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{SOL} (°C)**
AlGaAs	90	50	1	5	-40 ~ +80	-40 ~ +85	260

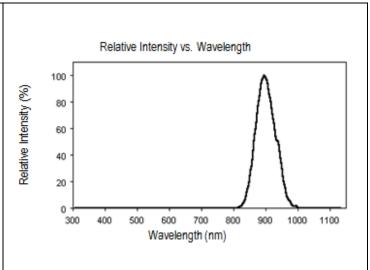
Product: QBLP630-IR2	Date: May 04, 2015	Page 4 of 9
	Version# 1.0	

^{*}Duty cycle=1%, Pulse width 100us **IR Reflow for no more than 10 sec @ 260 °C

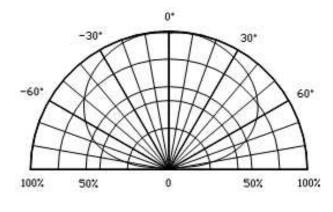


Characteristic Curves





Directive Characteristics

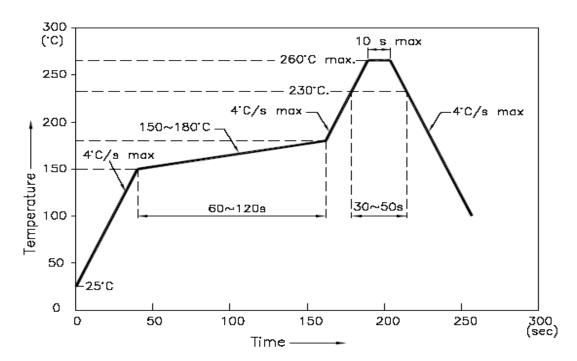


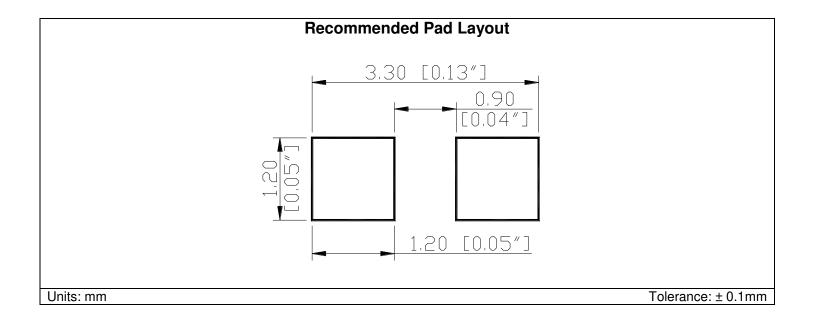
Product: QBLP630-IR2	Date: May 04, 2015	Page 5 of 9
	Version# 1.0	



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):



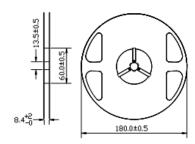


Product: QBLP630-IR2	Date: May 04, 2015	Page 6 of 9
	Version# 1.0	



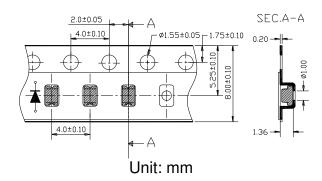
Packing

Reel Dimension:

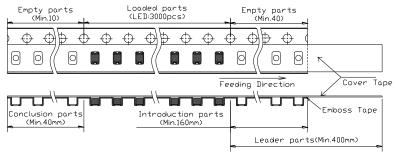


Unit: mm

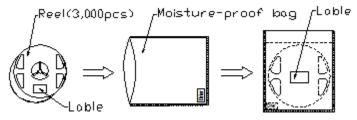
Tape Dimension:



Arrangement of Tape:



Packaging Specification:



Product: QBLP630-IR2	Date: May 04, 2015	Page 7 of 9
	Version# 1.0	



Labeling

Part No:
Customer P/N:
<u>Item:</u>
Q'ty:
<u>∨f:</u>
<u>Iv:</u>
WI:
Date:

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per reel
QBLP630-IR2	QBLP630-IR2	le=0.35mW/sr typ. @ I_F =20mA / λ_P =880nm typ.	3,000 units

Product: QBLP630-IR2	Date: May 04, 2015	Page 8 of 9
	Version# 1.0	



Revision History

Description:	Revision #	Revision Date
New Release of QBLP630-IR2	V1.0	05/04/2015

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.

Product: QBLP630-IR2	Date: May 04, 2015	Page 9 of 9
	Version# 1.0	