QT-Brightek Chip LED Series

0603 IR LED

Part No.: QBLP601-IR3

IR3: 850nm

Table of Contents:

Introduction

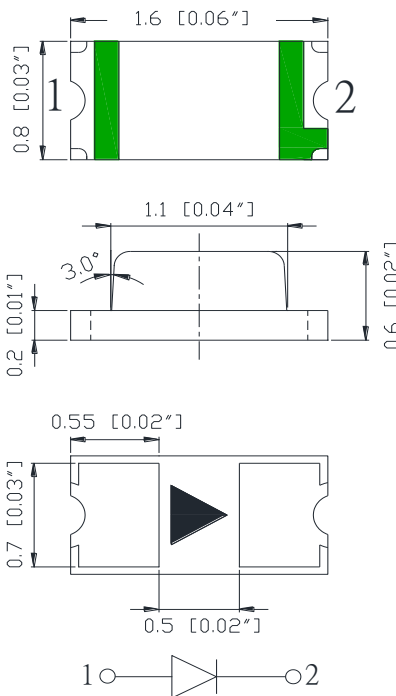|	
Feature: • Water clear lens • Package in tape and reel • 0603 LED package • AlGaAs technology • Viewing Angle = 140 deg typ. **Description:** These ultra bright 0603 LEDs have a height profile of 0.60mm. With higher packing density and smaller footprint, these LEDs are ideal for smaller equipment and miniature application.	**Application:** • Infrared Sensor • Optoelectronic Switch • Smoke detector • Drive sensor **Certification & Compliance:** • TS16949 • ISO9001 • RoHS Compliant

Dimension:

Units: mm / tolerance = +/-0.1mm

Characteristic Curves

Forward Current vs. Forward Voltage

Relative Intensity vs. Wavelength

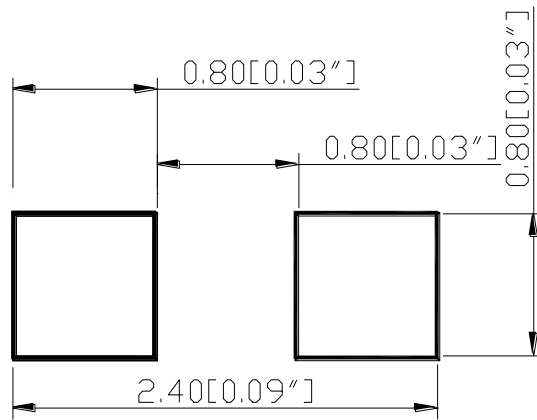### Directive Characteristics

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Solder Profile & Footprint

-The recommended reflow soldering profile is as follows (temperatures indicated are as measured on the surface of the LED resin):
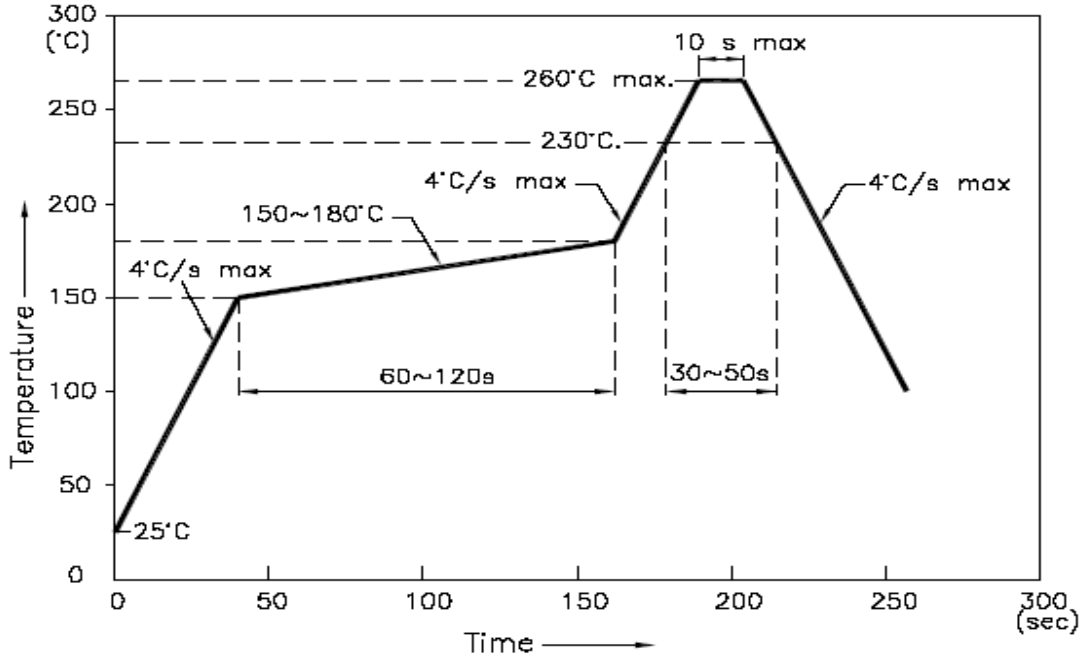
Recommended Pad Layout

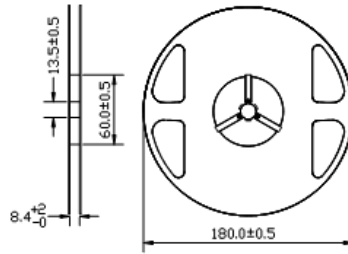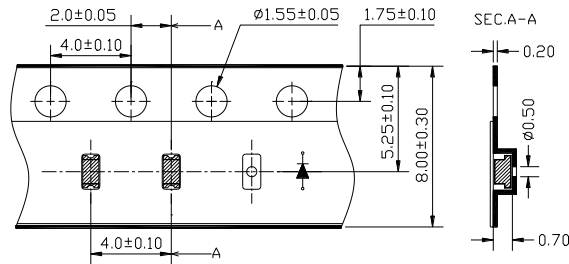| Units: mm	Tolerance: ± 0.1mm

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Packing

Reel Dimension:

Unit: mm

Tape Dimension:

Unit: mm

Arrangement of Tape:
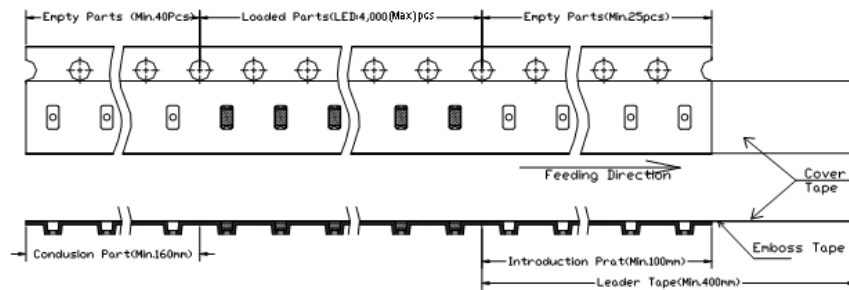
Packaging Specification:
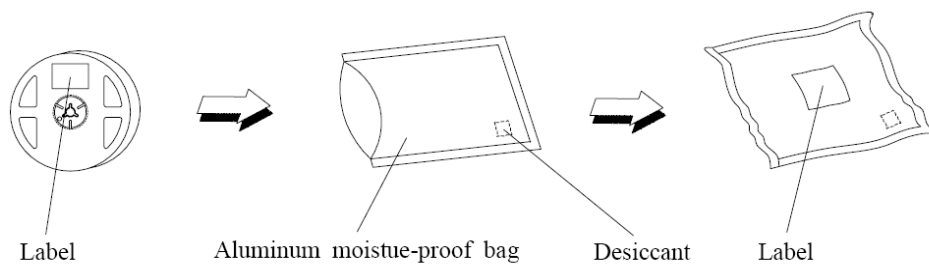
Label   Aluminum moistue-proof bag   Desiccant   Label

Labeling

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per reel
QBLP601-IR3	QBLP601-IR3	Ie=0.6mW/sr typ. / λ_P=850nm typ. @ I_F=20mA	4,000 units

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Revision History

Description:	Revision #	Revision Date
New Release of QBLP601-IR3	V1.0	11/06/2014
Update PCB drawing and brightness	V1.1	09/07/2021

Disclaimer

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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.