QT-Brightek Lamp Series

3mm Round Lamp

Part No.: QBL7YG60D

Table of Contents:

Introduction

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Feature:	**Application:**
• Green diffused lens	• General purpose indicator application
• 3mm round lamp	• Electronic signs and electronics board
• GaP technology	• LED lighting
• Viewing angle: 60° typ.	
Description:	**Certification & Compliance:**
	• TS16949
These super bright 3mm round type lamps with 5.08mm lens height are suitable for all applications requiring higher brightness.	• ISO9001
	• RoHS Compliant

Dimension:

Polarity
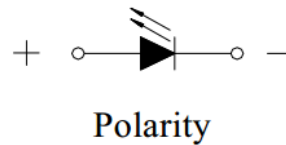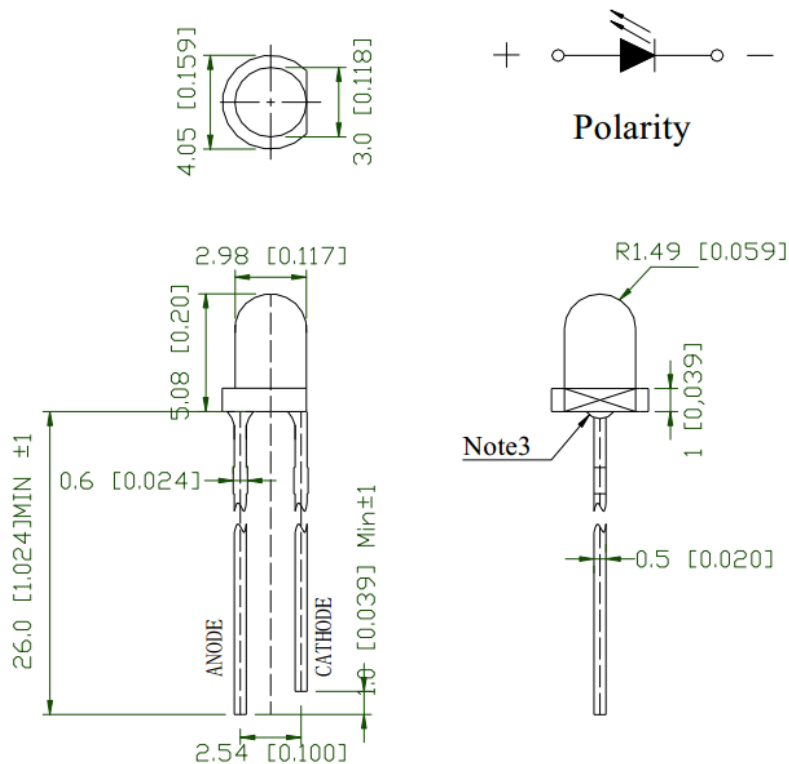
Units: mm / general tolerance = +/-0.25mm unless otherwise specified

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Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I_F (mA)	V_F (V)		λd (nm)	λp (nm)	I_V (mcd)	
			Typ.	Max.	Typ.	Typ.	Min.	Typ.
QBL7YG60D	Yellow Green	10	2.0	2.3	570	565	9	25
		20	2.2	2.6			20	45

Absolute Maximum Rating

Material	P_d (mW)	I_F (mA)	I_{FP} (mA)*	V_R (V)	T_{OP} (^{o}C)	T_{ST} (^{o}C)	T_{SOL} (^{o}C)**
GaP	78	30	100	5	-40 to +85	-40 to +100	260

*1/10 Duty Cycle, 0.1ms Pulse Width

**Wave Soldering for no more than 3 sec @ 260 ^{o}C

Characteristic Curves

Spectrum Distribution
Ta=25℃

Forward Current & Forward Voltage
Ta=25℃

Luminous Intensity & Ambient Temperature

Luminous Intensity & Forward Current
Ta=25℃
f=1KHz
Duty=1/10

Forward Current Derating Curve

Radiation Diagram
Ta=25℃

Product: QBL7YG60D	Date: July 20th, 2017	Page 5 of 7
	Version# 1.0	
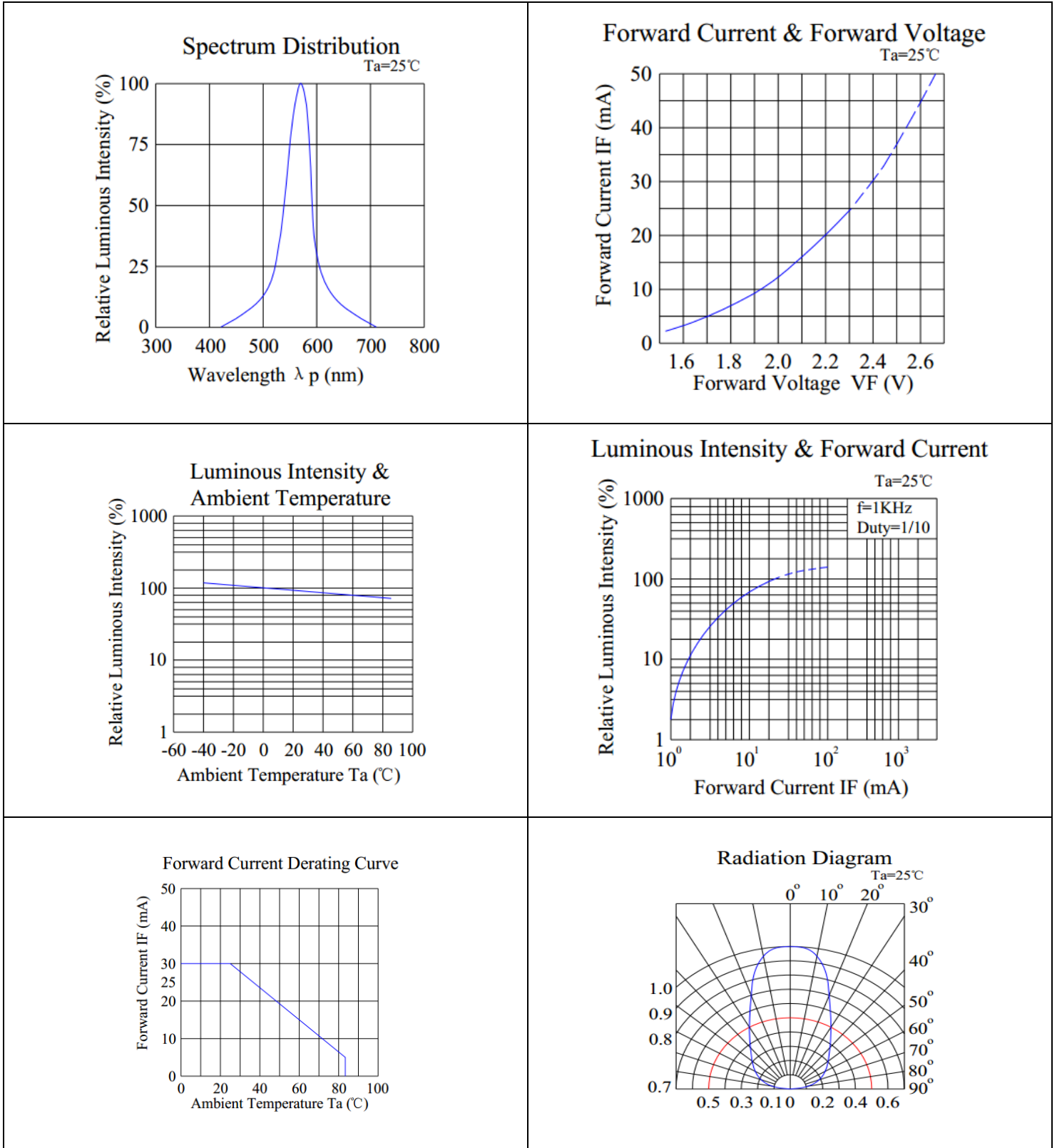
Labeling

QT-Brightek

Part No:

Customer P/N:

Item:

Q'ty:

LOT NO:

Date:

Made in China

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag (Bulk Pack)
QBL7YG60D	QBL7YG60D	Iv=25mcd typ. @ I_F=10mA, λd: 570nm typ.	500pcs

Revision History

Description:	Revision #	Revision Date
New Release of QBL7YG60D	V1.0	07/20/2017

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.