



QBL7SA60D

3mm Round Lamp

**QT-Brightek Lamp Series**  
**5mm Round Deep Red LED**  
**Part No.: QBL7SA60D**

Product: QBL7SA60D	Date: January 22, 2018	Page 1 of 7
	Version# 1.0	



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## Introduction

### Feature:

- Color diffused lens
- Package in bulk pack
- 5mm round lamp
- AlGaAs technology
- Viewing angle: 60° typ.

### Description:

These bright 3mm round type lamps are suitable for all indicator applications such as electronic signs and electronics board indicator

### Application:

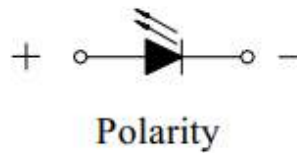
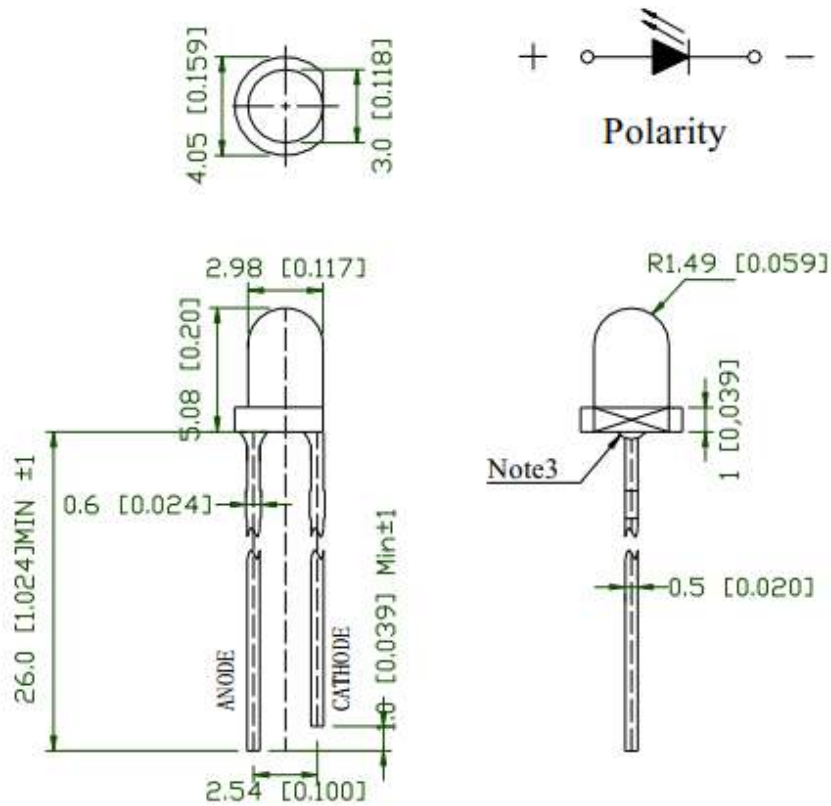
- General purpose indicator application
- Electronic signs and electronics board

### Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



## Dimension:



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



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**Electrical / Optical Characteristic (Ta=25°C)**

Product	Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ <sub>D</sub> (nm)	I <sub>V</sub> (mcd)	
			Typ.	Max.	Typ.	Min.	Typ.
QBL7SA60D	Deep Red	20	1.8	2.4	640	20	45

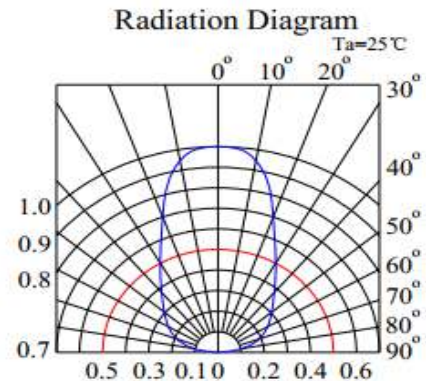
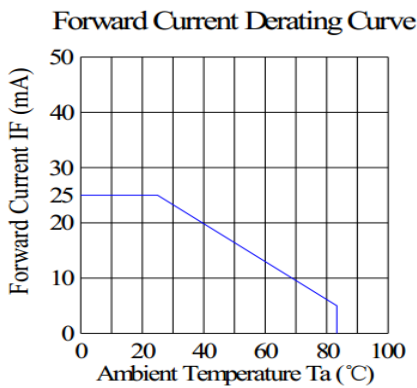
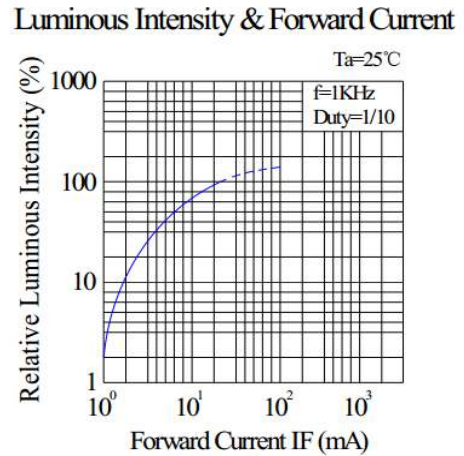
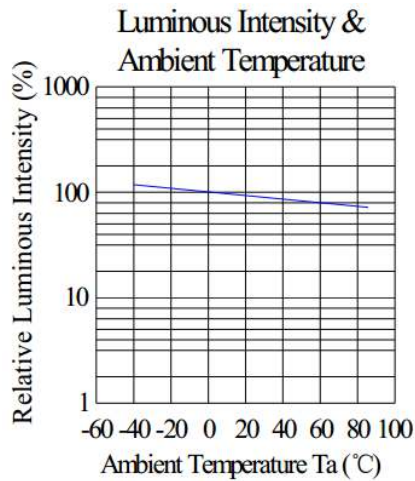
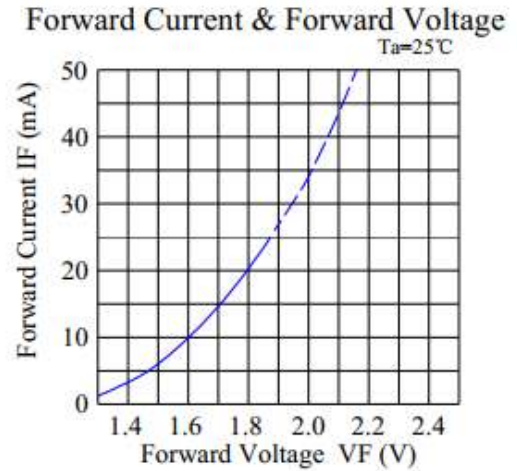
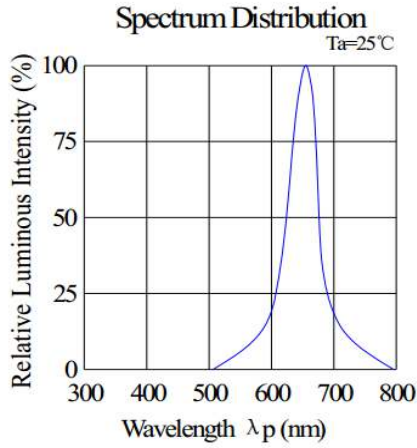
**Absolute Maximum Rating**

Material	P <sub>d</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)*	V <sub>R</sub> (V)	T <sub>OP</sub> (°C)	T <sub>ST</sub> (°C)
AlGaAs	60	25	100	5	-40 ~ +85	-40 ~ +100

\*1/10 Duty Cycle, 0.1ms Pulse Width

## Characteristic Curves

AlGaAs





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### Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL7SA60D	QBL7SA60D	Iv=45mcd typ. @ 20mA, $\lambda_D=640\text{nm}$ typ.	500pcs



### Revision History

Description:	Revision #	Revision Date
New Release of QBL7SA60D	V1.0	02/14/2018

### 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.