



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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:

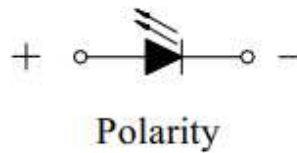
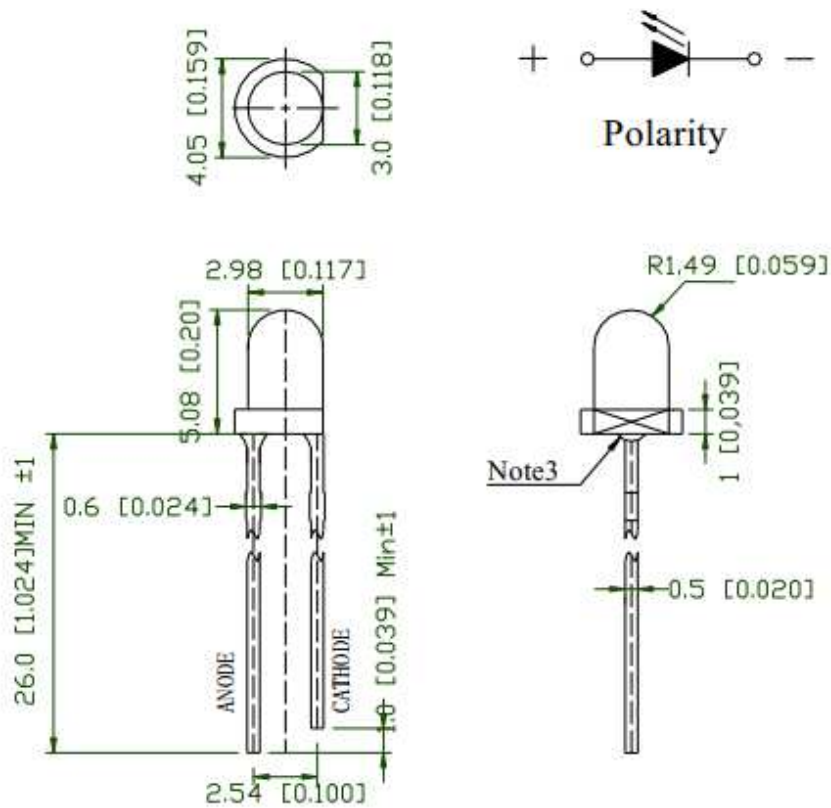
- General purpose indicator application
- Electronic signs and electronics board

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



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



QBL7SA60D

3mm Round Lamp

Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)	I _V (mcd)	
			Typ.	Max.	Typ.	Min.	Typ.
QBL7SA60D	Deep Red	20	1.8	2.4	640	20	45

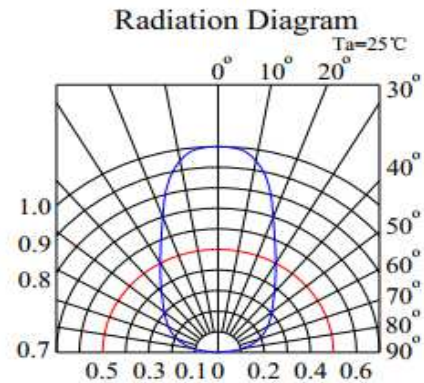
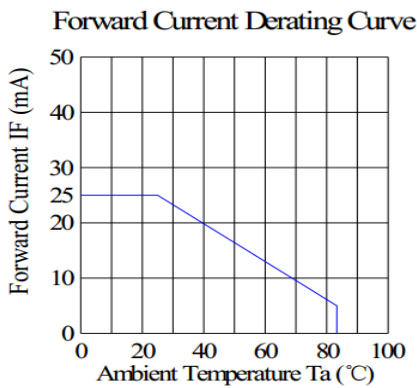
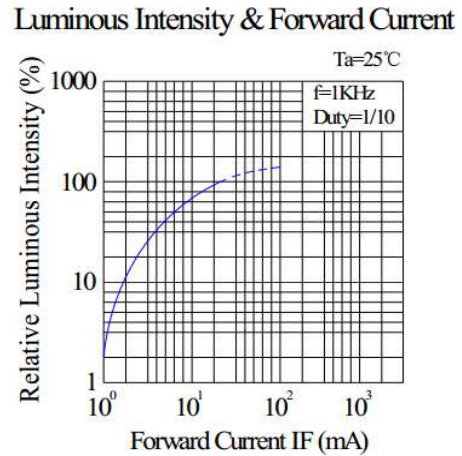
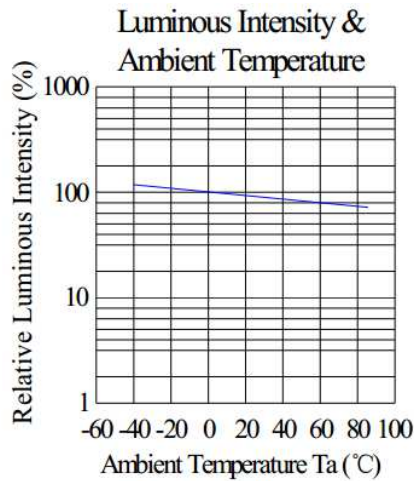
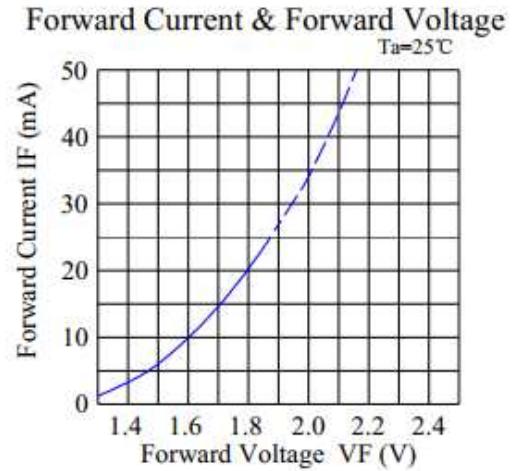
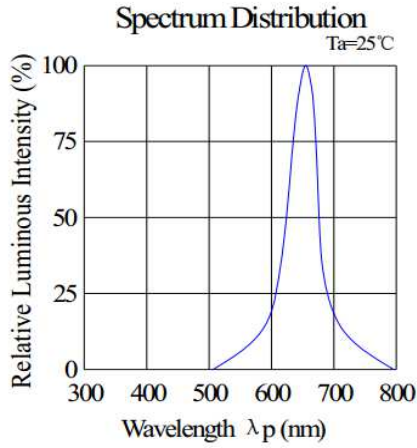
Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
AlGaAs	60	25	100	5	-40 ~ +85	-40 ~ +100

*1/10 Duty Cycle, 0.1ms Pulse Width

Characteristic Curves

AlGaAs





QBL7SA60D

3mm Round Lamp

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.