



Product: QBL912ZC-IR2	Date: August 19, 2017	Page 1 of 9
	Version# 1.1	



Table of Contents:	
ntroduction	
Electrical / Optical Characteristic (Ta=25 °C)	4
Absolute Maximum Rating	4
Characteristic Curves	5
Solder Profile & Footprint	6
Packing	7
_abeling	8
Ordering Information	8
Revision History	9
Disclaimer	

Product: QBL912ZC-IR2	Date: August 19, 2017	Page 2 of 9
	Version# 1.1	



Introduction

- Feature:
- Water clear lens
- Package in tape and reel
- AlGaAs technology
- Viewing Angle = 20 deg
- Reverse Mount

Description:

This 1.8mm round subminiature IR lamp with z-bend lead configuration are suitable for surface mount applications.

Application:

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

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:







Units: mm / tolerance = +/-0.2mm

Product: QBL912ZC-IR2	Date: August 19, 2017	Page 3 of 9
	Version# 1.1	



Electrical / Optical Characteristic (Ta=25 °C)

Product	Color	Color (mA)	V _F (V)			λ _P (nm)		l	e (mW/s	r)
Froduct	COIOI	I _F (mA)	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.	Max.
QBL912ZC-IR2	Infrared	20	1.4	1.8	870	880	890	0.6	1.3	2.6

Absolute Maximum Rating

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

*Duty cycle=1%, Pulse width 100us

**IR Reflow for no more than 3 sec @ 260 °C

Product: QBL912ZC-IR2	Date: August 19, 2017	Page 4 of 9
	Version# 1.1	



QBL912ZC-IR2



Product: QBL912ZC-IR2	Date: August 19, 2017	Page 5 of 9
	Version# 1.1	



Solder Profile & Footprint

-Recommended tin solder specifications: melting temperature in the range of 178~192 ^OC -The recommended reflow soldering profile is as follows (temperatures indicated are as measured on the surface of the LED resin):





Product: QBL912ZC-IR2	Date: August 19, 2017	Page 6 of 9
	Version# 1.1	



Packing

Reel Dimension:



Unit: mm

Tape Dimension:



Unit: mm

Arrangement of Tape:



Packaging Specification:



Product: QBL912ZC-IR2	Date: August 19, 2017	Page 7 of 9
	Version# 1.1	



Labeling

🔞 QT-Brightek 🔮
Customer P/N:
Item:
Q'ty:
<u>Vf:</u>
WI:
Date:
Made in China

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per reel
QBL912ZC-IR2	QBL912ZC-IR2	Ie=1.3mW/sr typ. @ I _F =20mA / λ_P =880nm typ.	800 units

Product: QBL912ZC-IR2	Date: August 19, 2017	Page 8 of 9
	Version# 1.1	



Revision HistoryDescription:Revision #Revision DateNew Release of QBL912ZC-IR2V1.005/14/2015Update packing spec to 800pcs/reelV1.108/19/2017Image: Colspan="2">Image: Colspan="2" Image: Colspan="2" Imag

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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.

Product: QBL912ZC-IR2	Date: August 19, 2017	Page 9 of 9
	Version# 1.1	