

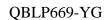




QT-Brightek PLCC Series PLCC2 High Bright Red LED

Part No.: QBLP669-YG

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	Version# 1.0	



PLCC2 LED

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PLCC2 LED

Introduction

Feature:

- Package in tape and reel
- Clear lens
- Ultra bright reflector type PLCC2 LED
- GaP technology
- Viewing angle 120 degree typ.

Description:

These ultra bright reflector type PLCC2 LEDs have a height profile of 1.90mm. Combination of high brightness output and robust package, these LEDs are ideal for architecture lighting, status indication, and industrial equipment lighting applications.

Application:

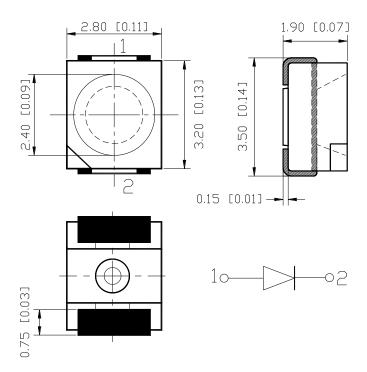
- Status indication
- Industrial equipment backlighting
- Architecture lighting

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.2mm

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QBLP669-YG PLCC2 LED

Electrical / Optical Characteristic (Ta=25 °C)

Product Color		Product Color L (mA) V _F (V)		λ _D (nm)			I _V (mcd)		
Product C	Coloi	I _F (mA)	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.
QBLP669-YG	Yellow Green	20	2.2	2.5	565	570	576	12.5	24

Absolute Maximum Rating

Material	P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)	T _{SOL} (°C)**
GaP	75	30	125	5	-40 to +105	-40 to +105	260

^{*}Duty 1/8 @ 1KHz

Forward Voltage V_F @ I_F=20mA

Bin	Min.	Max.	Unit
	1.7	2.3	V

Luminous Intensity I_V @ I_F=20mA

Bin	Min.	Max.	Unit
A	12.5	16	
В	16	20	
С	20	25	mcd
D	25	32	
E	32	40	

Dominant Wavelength λ_D @ I_F =20mA

Bin	Min.	Max.	Unit
h	565	568	
i	568	572	nm
j	572	576	

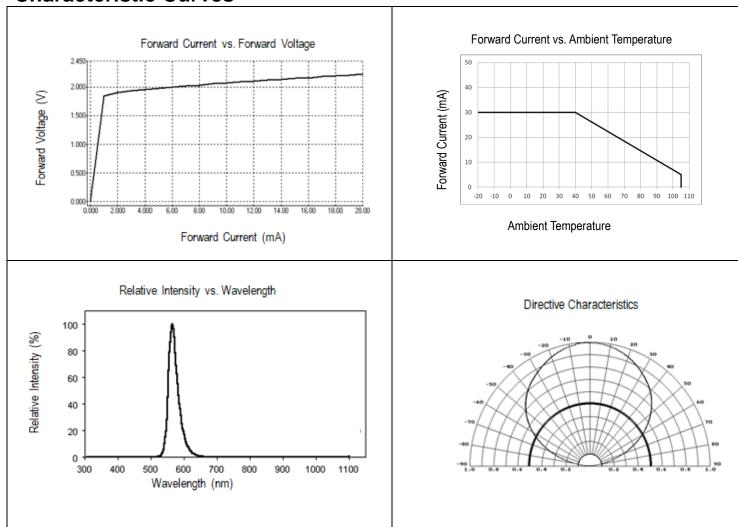
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^{**}IR Reflow for no more than 10 sec @ 260 °C



PLCC2 LED



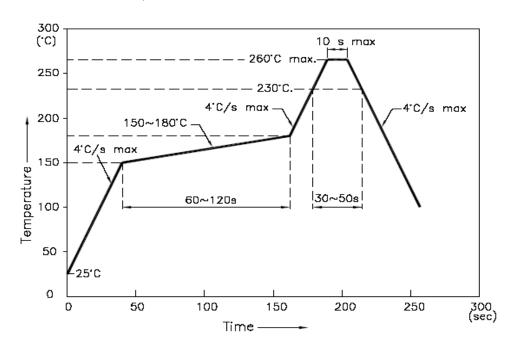


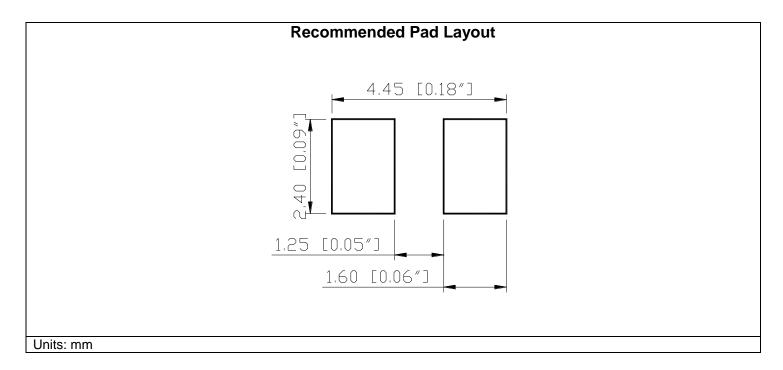
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Solder Profile & Footprint

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





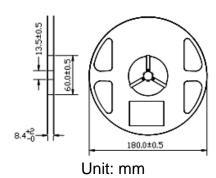
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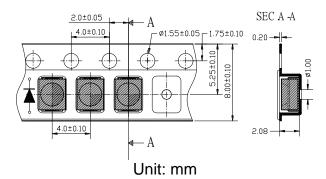
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Packing

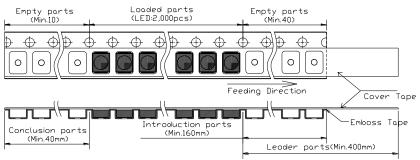
Reel Dimension:



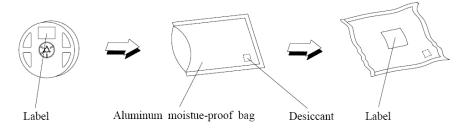
Tape Dimension:



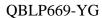
Arrangement of Tape:



Packaging Specifications:



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Labeling

Part No:
Customer P/N:
ltem:
Q'ty:
Vf:
lv:
WI:
Date:

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per reel
QBLP669-YG	QBLP669-YG	Iv=24mcd typ. @ 20mA / Color=565nm to 576nm	2,000 units

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QBLP669-YG PLCC2 LED

Revision History

Description:	Revision #	Revision Date
New Release of QBLP669-YG	V1.0	06/06/2022

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.

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