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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.

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QT-Brightek Lamp with Housing Series
3mm Round Lamp with Tri-level Housing
Part No.: QLA764B-3X_series

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Introduction

Feature:

- Color Diffused lens
- Packaged in Tray
- 3mm round TH lamp with housing
- GaAsP technology for Orange, Yellow
- GaP technology for Yellow-Green, Red
- Viewing angle: 80° typ.

Description:

These 3mm round type lamps with tri-level housing is easy to mount on the panels.

Application:

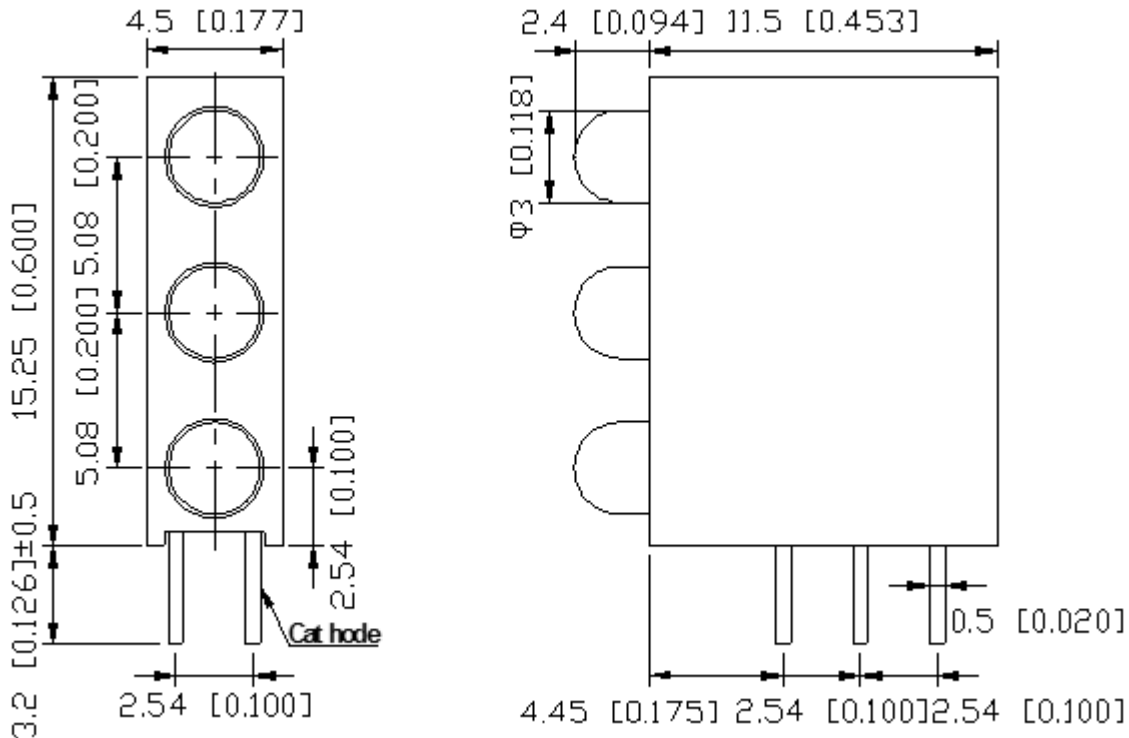
- General purpose indicator application
- Electronic instrument

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Units: mm / general tolerance = +/-0.5mm unless otherwise specified

Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)			I _V (mcd)	
			Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.
QLA764B-3H	GaP Red	20	2.0	2.6	--	640	--	15	30
QLA764B-3A	Orange	20	2.0	2.6	--	603	--	13	30
QLA764B-3Y	Yellow	20	2.0	2.6	--	588	--	13	30
QLA764B-3G	GaP Green	20	2.2	2.6	--	570	--	13	30

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)**
GaAsP	78	30	100	5	-40 to +80	-40 to +85	260
GaP	78	30	100	5	-40 to +80	-40 to +85	260

*Duty=0.1, 0.1ms Pulse Width

**Wave Soldering for no more than 3 sec @ 260 °C

Note:

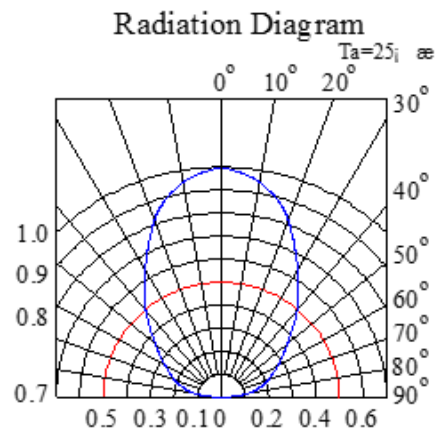
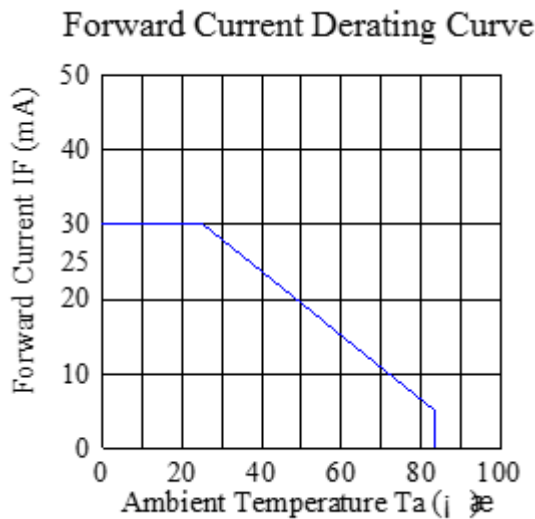
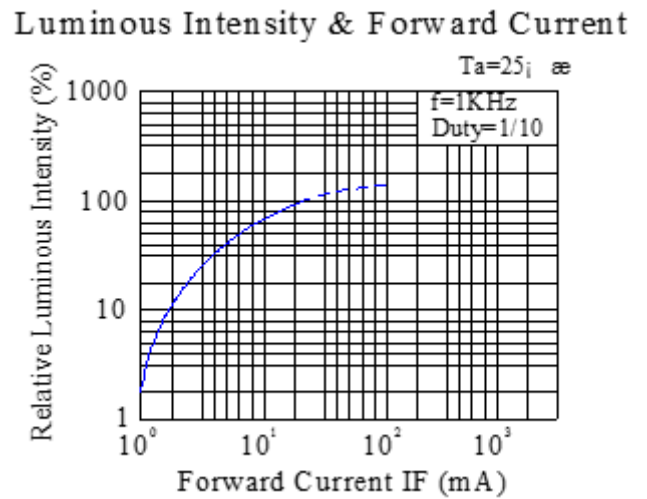
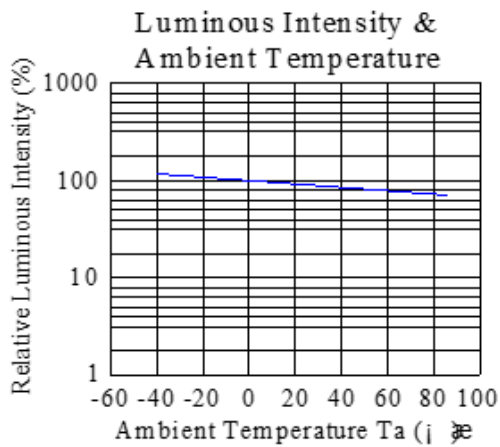
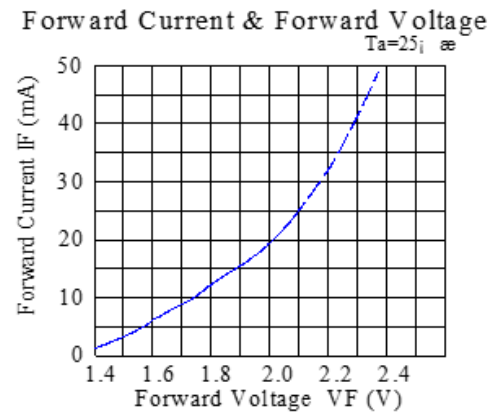
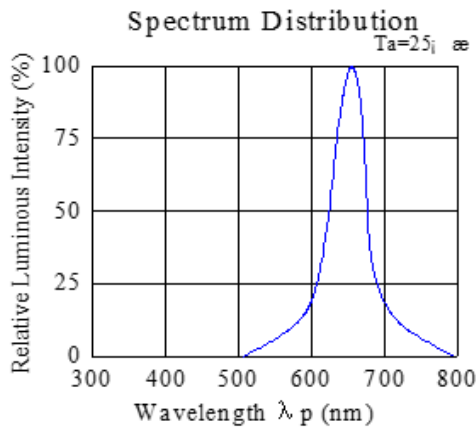
Tolerance of measurement of forward voltage: ±0.1V

Tolerance of measurement of luminous intensity: ±15%

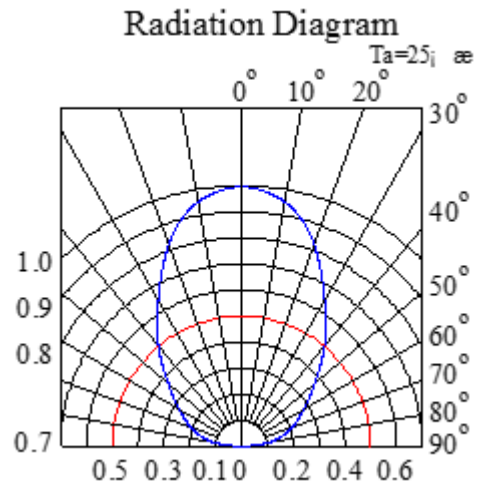
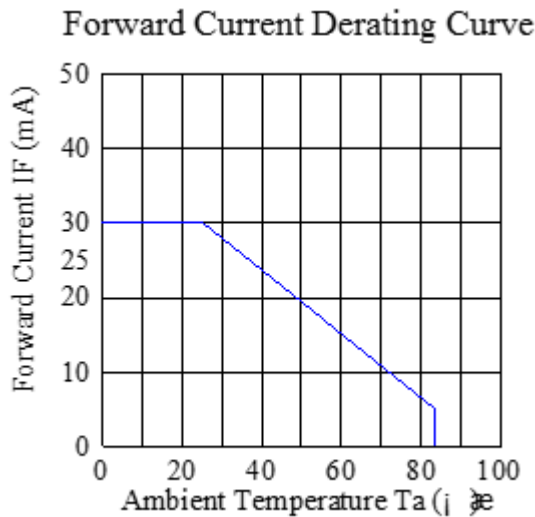
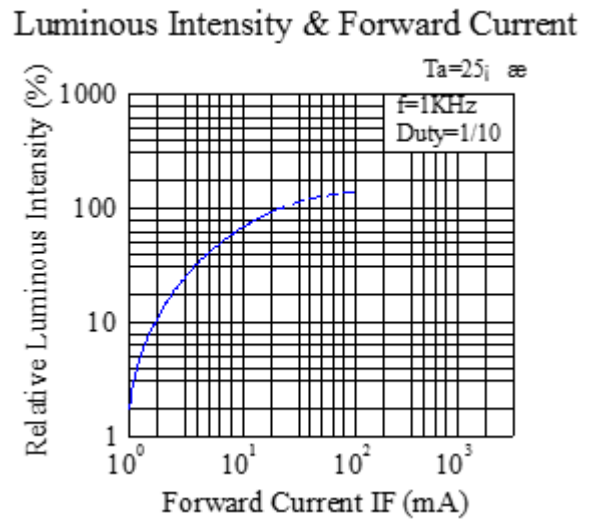
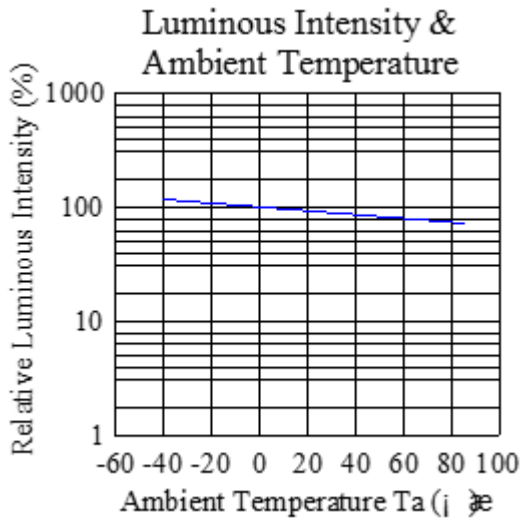
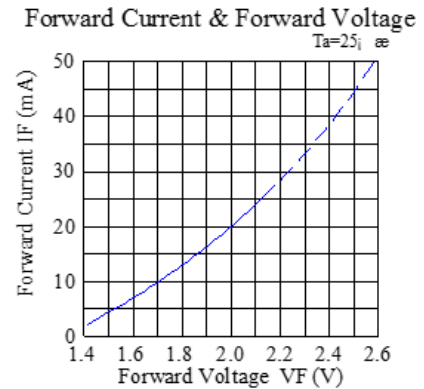
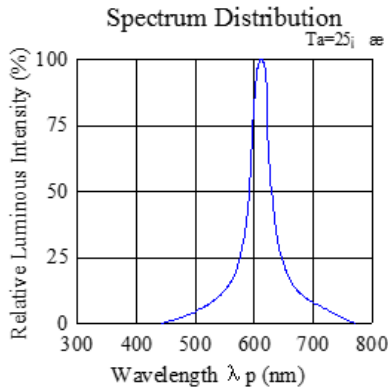
Tolerance of measurement of dominant wavelength: ±2nm

Characteristic Curves

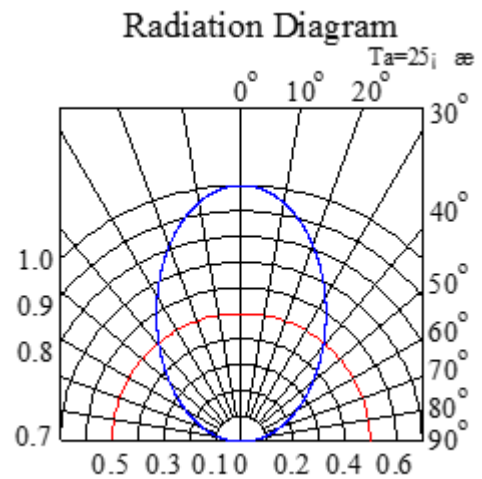
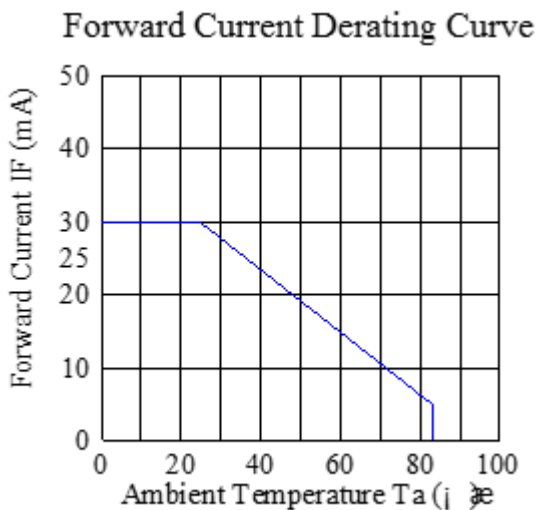
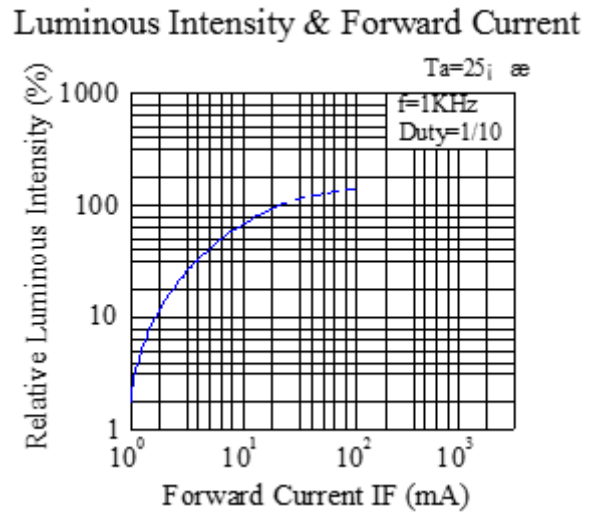
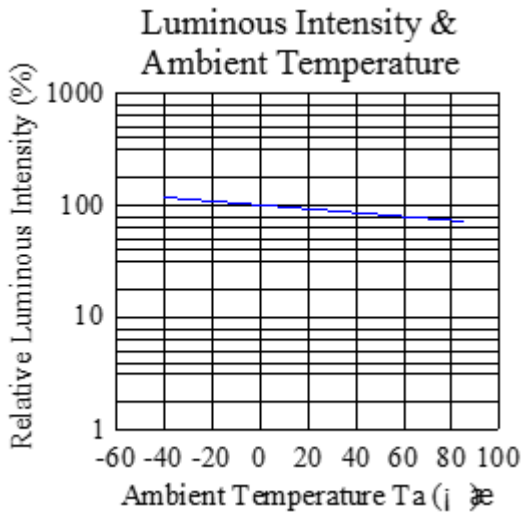
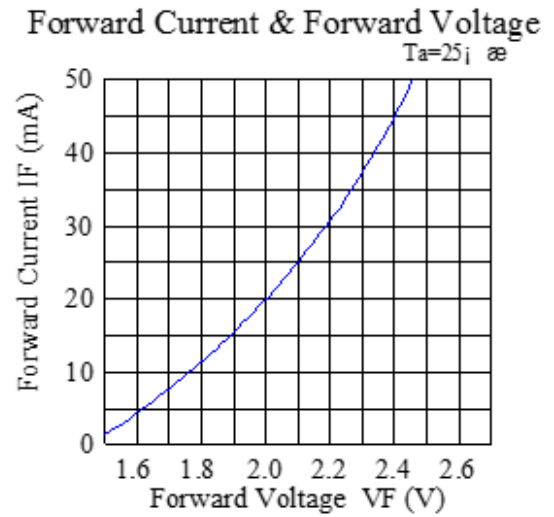
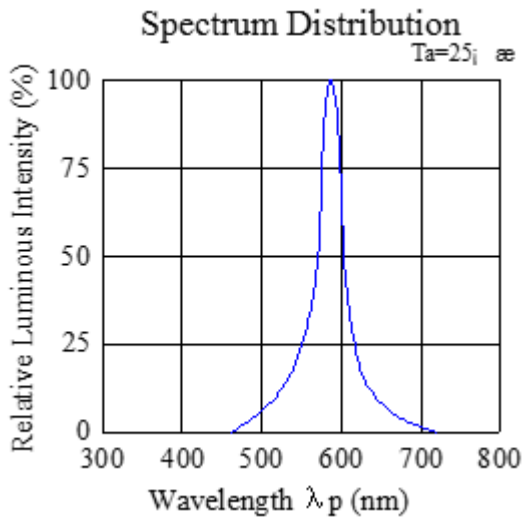
GaP Red



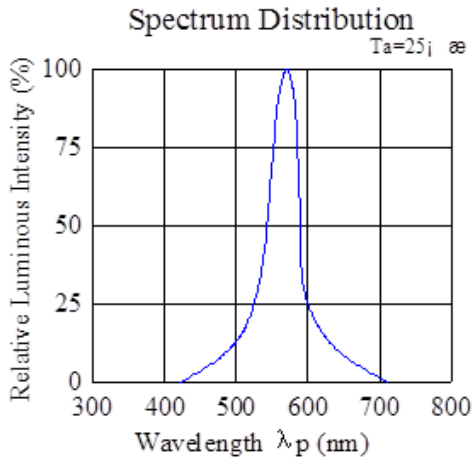
GaAsP Orange



GaAsP Yellow

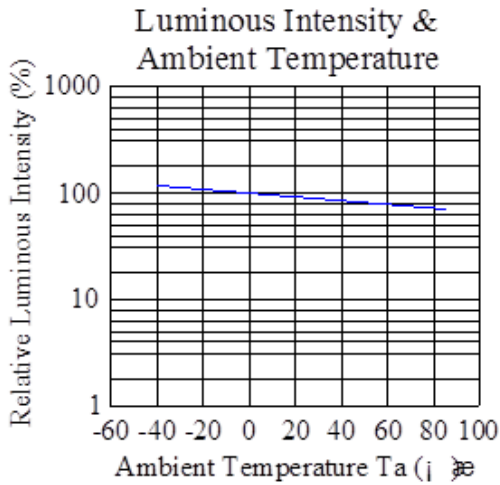
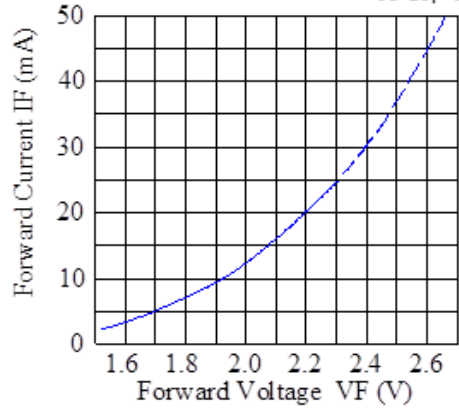


GaP Yellow-Green



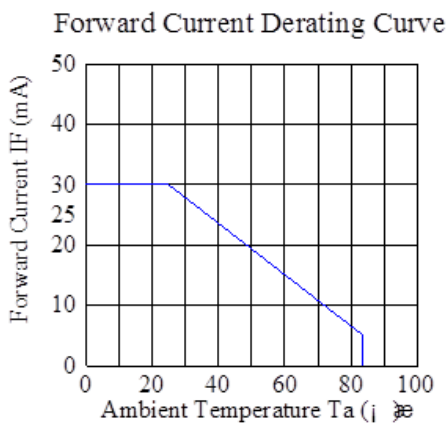
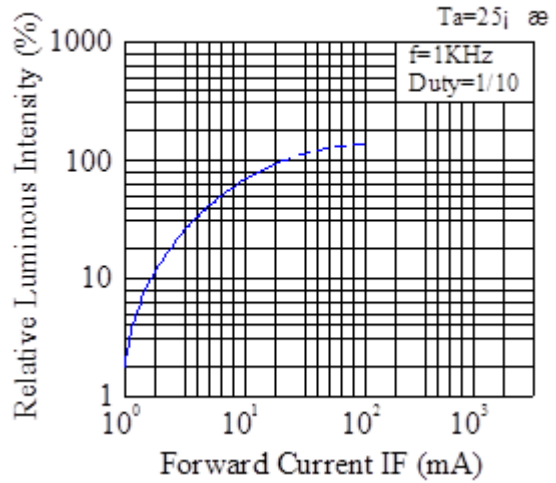
Forward Current & Forward Voltage

$T_a=25j\text{ }^{\circ}\text{C}$



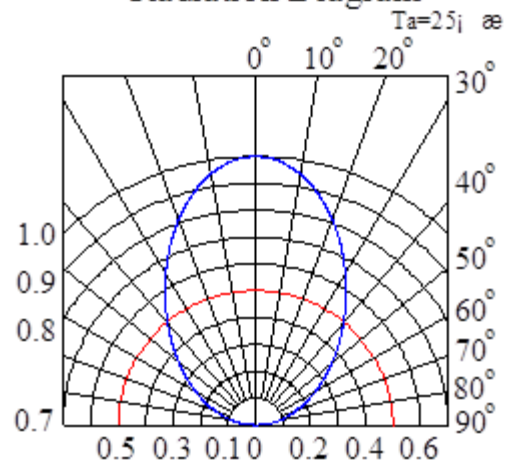
Luminous Intensity & Forward Current

$T_a=25j\text{ }^{\circ}\text{C}$



Radiation Diagram

$T_a=25j\text{ }^{\circ}\text{C}$



Labeling

Part No: _____

Customer P/N: _____

Item: _____

Q'ty: _____

Vf: _____

Iv: _____

WI: _____

Date: _____

Made in China**Ordering Information**

Part #	Orderable Part #	Spec Range	Quantity per Tray
QLA764B-3H	QLA764B-3H	Iv=30mcd typ. @ 20mA, $\lambda_D=640\text{nm}$ typ.	400
QLA764B-3A	QLA764B-3A	Iv=30mcd typ. @ 20mA, $\lambda_D=603\text{nm}$ typ.	400
QLA764B-3Y	QLA764B-3Y	Iv=30mcd typ. @ 20mA, $\lambda_D=588\text{nm}$ typ.	400
QLA764B-3G	QLA764B-3G	Iv=30mcd typ. @ 20mA, $\lambda_D=570\text{nm}$ typ.	400

Revision History

Description:	Revision #	Revision Date
New Release of QLA764B-3X_series	V1.0	06/29/2016



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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.