

QT-Brightek Lamp with Housing Series
3mm Round Lamp with Quad-level Housing
Part No.: QLA874B-4X_series

Table of Contents:

Introduction	3
Electrical / Optical Characteristic (Ta=25 °C)	4
Absolute Maximum Rating	4
Characteristic Curves.....	5
Labeling	9
Ordering Information	9
Revision History	10
Disclaimer	10

Introduction

Feature:

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

Description:

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

Application:

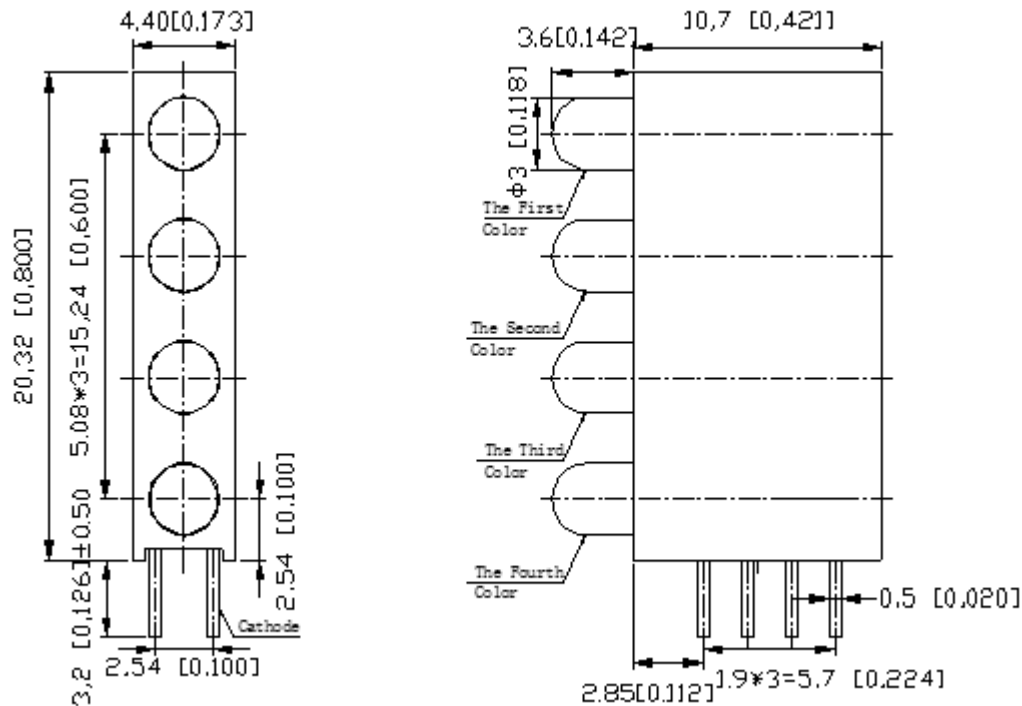
- General purpose indicator application
- Electronic instrument

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.
QLA874B-4I	Deep Red	20	2.0	2.6	--	640	--	15	45
QLA874B-4A	Orange	20	2.0	2.6	--	603	--	13	30
QLA874B-4Y	Yellow	20	2.0	2.6	--	588	--	13	30
QLA874B-4G	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)**
AlGaAs	60	25	100	5	-40 to +80	-40 to +85	260
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:

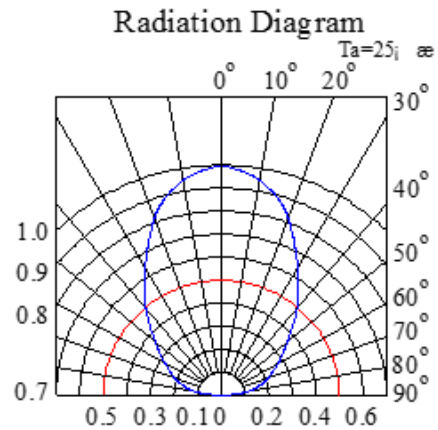
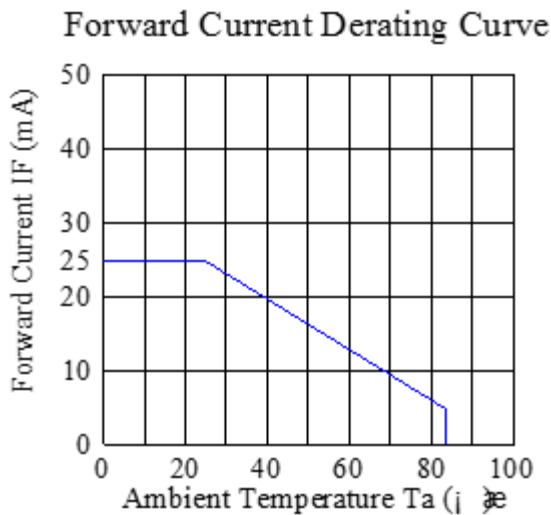
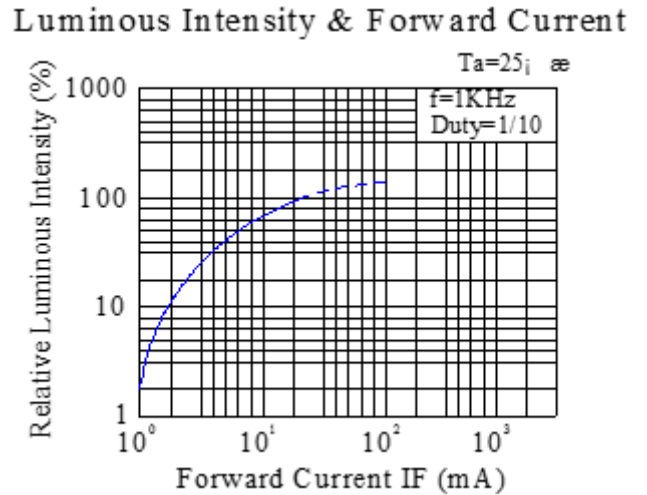
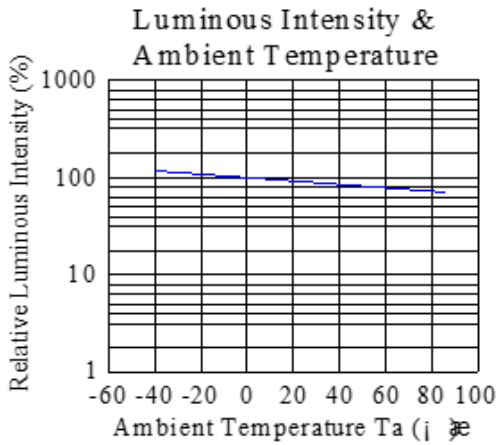
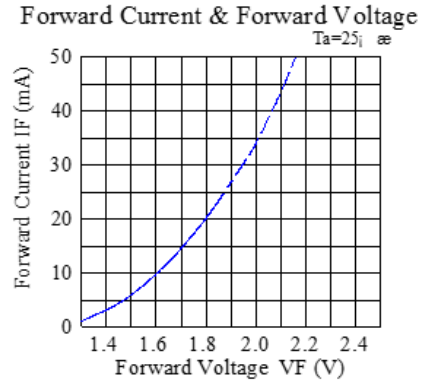
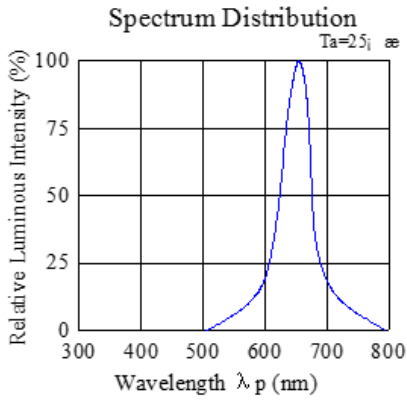
Tolerance of measurement of forward voltage: ±0.1V

Tolerance of measurement of luminous intensity: ±15%

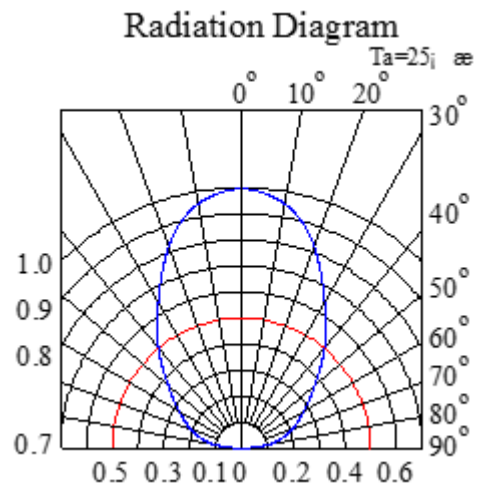
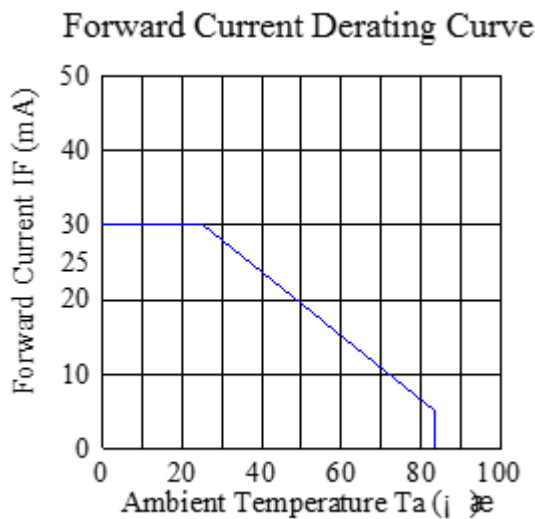
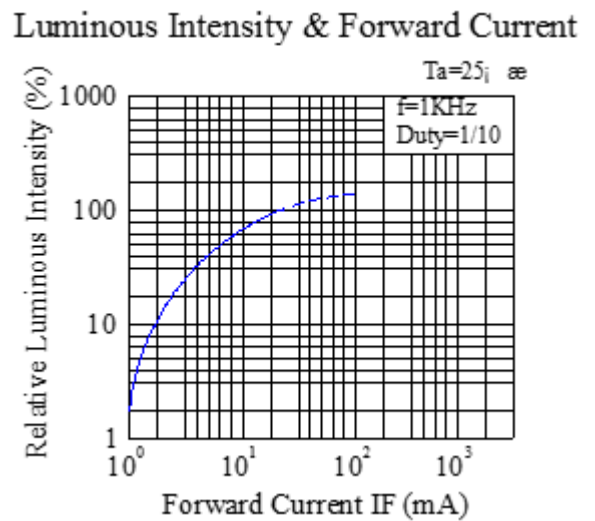
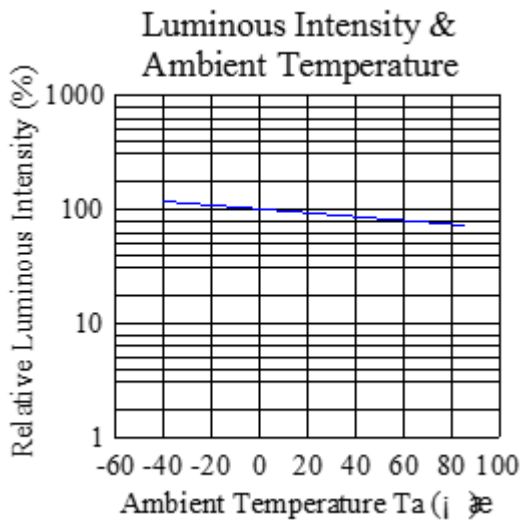
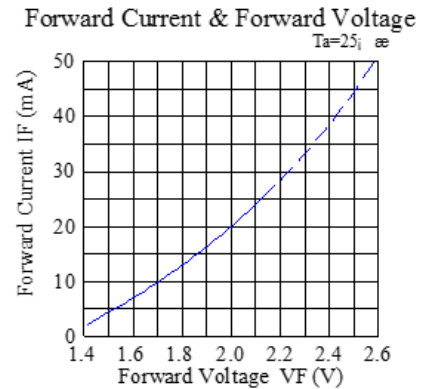
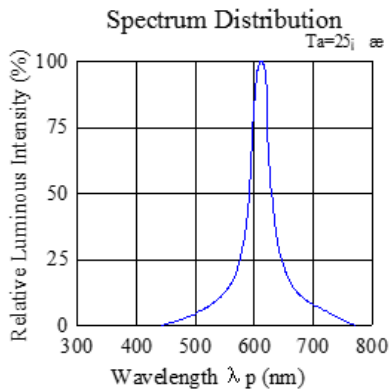
Tolerance of measurement of dominant wavelength: ±2nm

Characteristic Curves

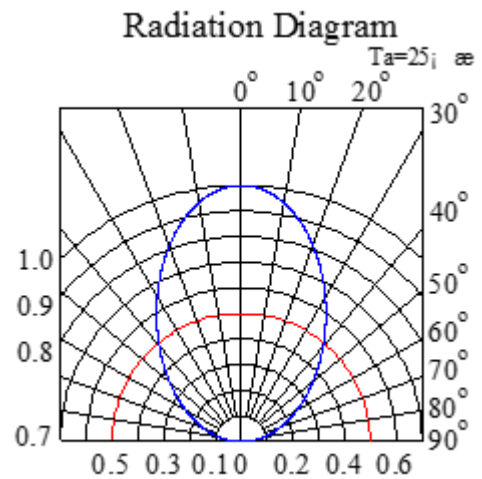
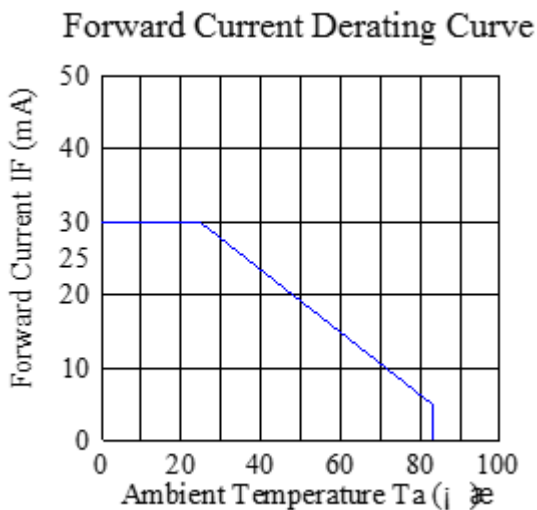
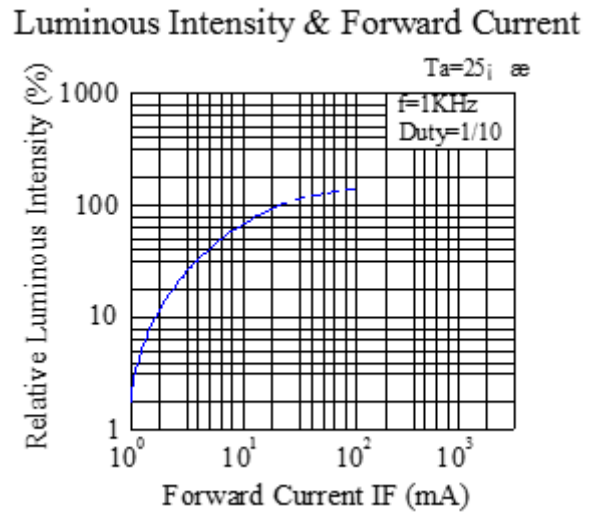
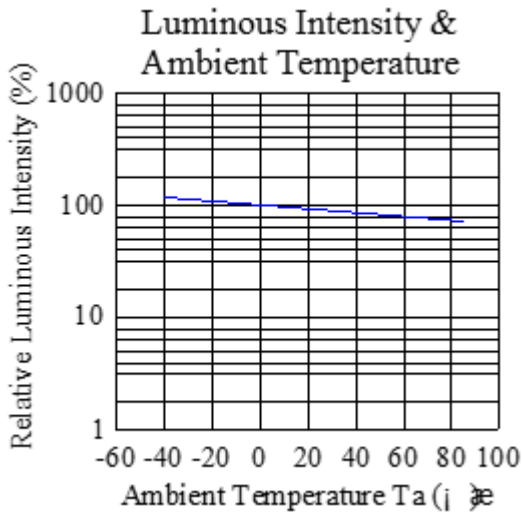
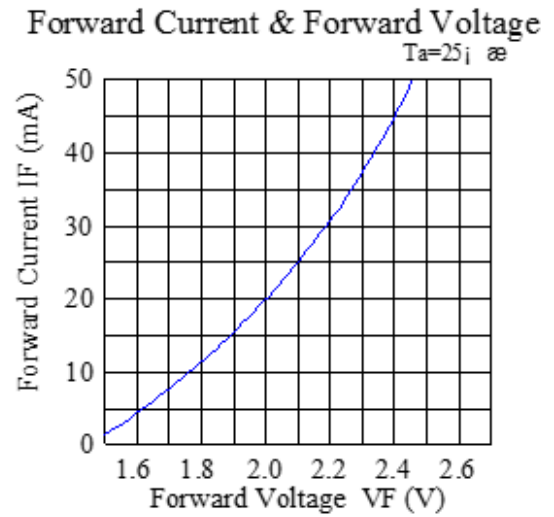
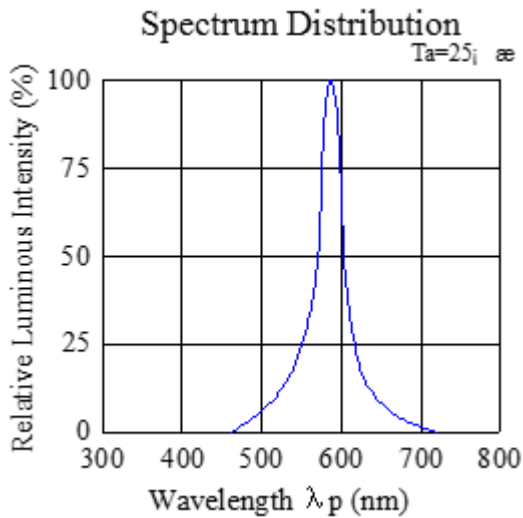
AlGaAs Deep Red



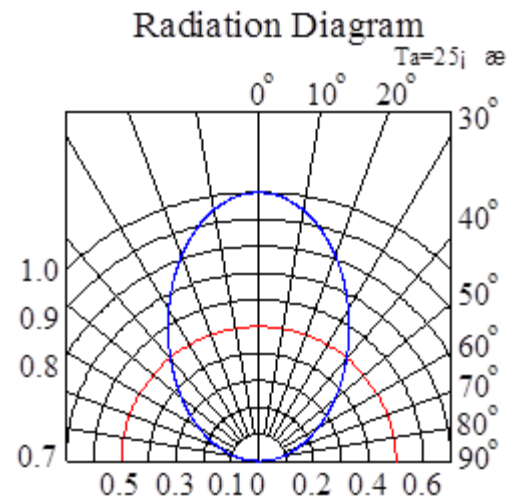
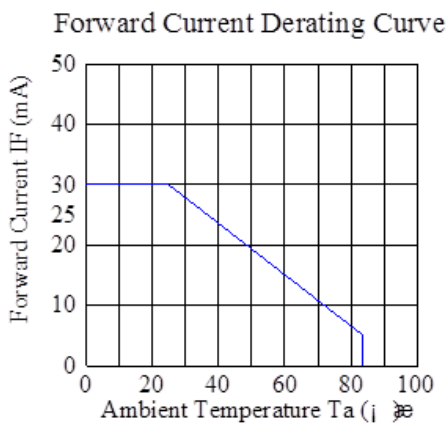
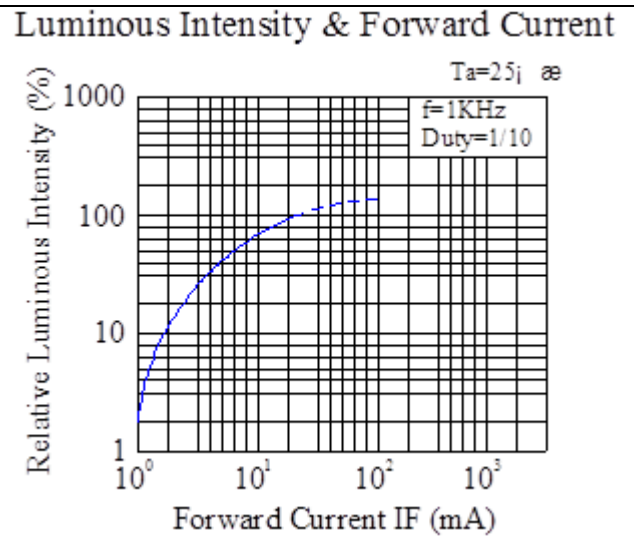
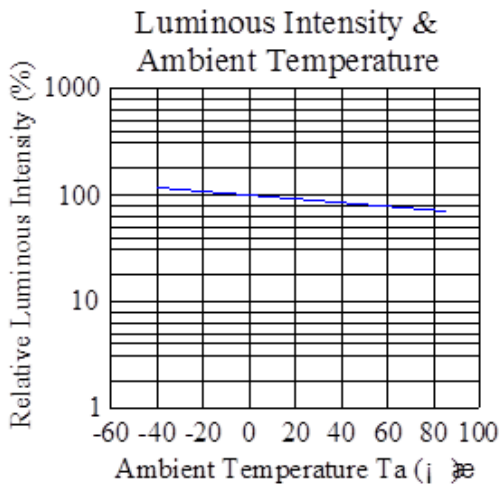
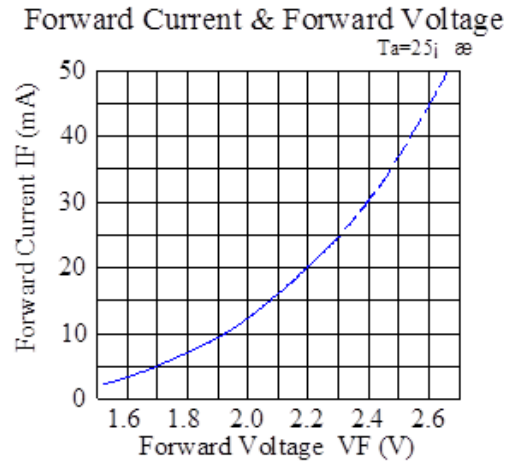
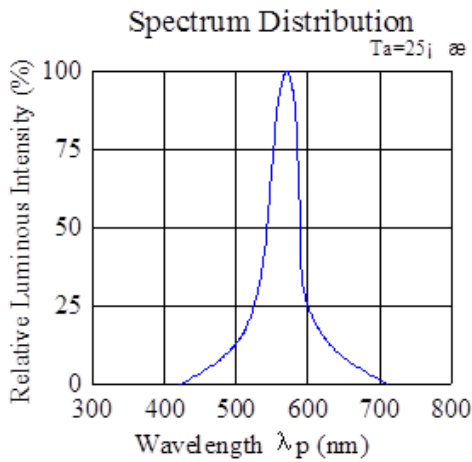
GaAsP Orange



GaAsP Yellow



GaP Yellow-Green



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
QLA874B-3H	QLA874B-3H	Iv=45mcd typ. @ 20mA, $\lambda_D=640\text{nm}$ typ.	300
QLA874B-3A	QLA874B-3A	Iv=30mcd typ. @ 20mA, $\lambda_D=603\text{nm}$ typ.	300
QLA874B-3Y	QLA874B-3Y	Iv=30mcd typ. @ 20mA, $\lambda_D=588\text{nm}$ typ.	300
QLA874B-3G	QLA874B-3G	Iv=30mcd typ. @ 20mA, $\lambda_D=570\text{nm}$ typ.	300

Revision History

Description:	Revision #	Revision Date
New Release of QLA874B-4X_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.