

QT-Brightek Lamp with Housing Series 5mm Round Bi-color Lamp with Housing

Part No.: QBL8XXXX60D-MP6_series

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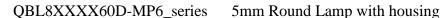




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Introduction

Feature:

- White Diffused lens
- Packaged in bulk pack
- 5mm round TH lamp with housing
- GaAsP technology for Yellow, Red
- GaP technology for Yellow-Green
- Viewing angle: 60° typ.

Description:

These 5mm round type lamps with housing is easy to mount on the panels.

Application:

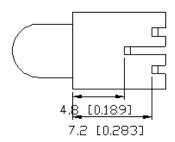
- General purpose indicator application
- Electronic instrument

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant

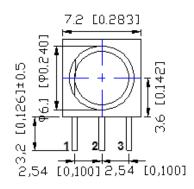


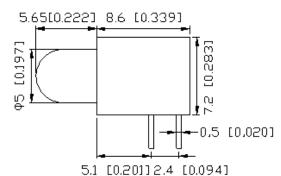
Dimension:



Note:

- 1. First Color Anode
- 2. Common Cathode
- 3. Second Color Anode





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

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Electrical / Optical Characteristic (Ta=25°C)

Product	Color	I _F (mA)	V _F (V)		λ _D (nm)		I _V (mcd)		
Product	Coloi	IF (IIIA)	Тур.	Max.	Min.	Тур.	Max.	Min.	Тур.
QBL8RAYG60D-MP6	GaAsP Red	20	2.0	2.6		630		9	20
	GaP Green	20	2.2	2.6		570	-	13	30
QBL8RAYA60D-MP6	GaAsP Red	20	2.0	2.6		630		9	20
	Yellow	20	2.0	2.6		588		9	20
QBL8YGYA60D-MP6	GaP Green	20	2.2	2.6		570	-	13	30
	Yellow	20	2.0	2.6		588		9	20

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

Note:

Tolerance of measurement of forward voltage: ±0.1V
Tolerance of measurement of luminous intensity: ±15%
Tolerance of measurement of dominant wavelength: ±2nm

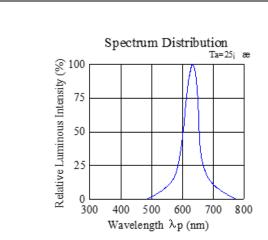
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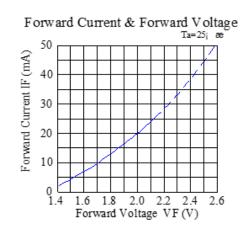
^{**}Wave Soldering for no more than 3 sec @ 260 °C

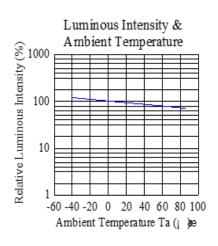


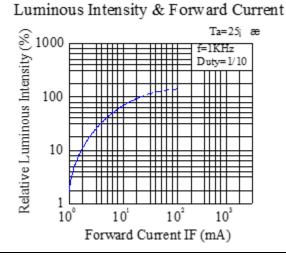
Characteristic Curves

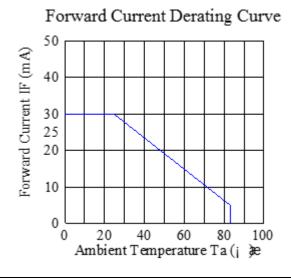
GaAsP Red

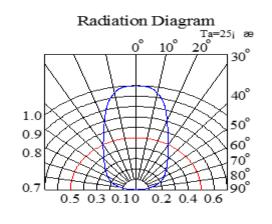






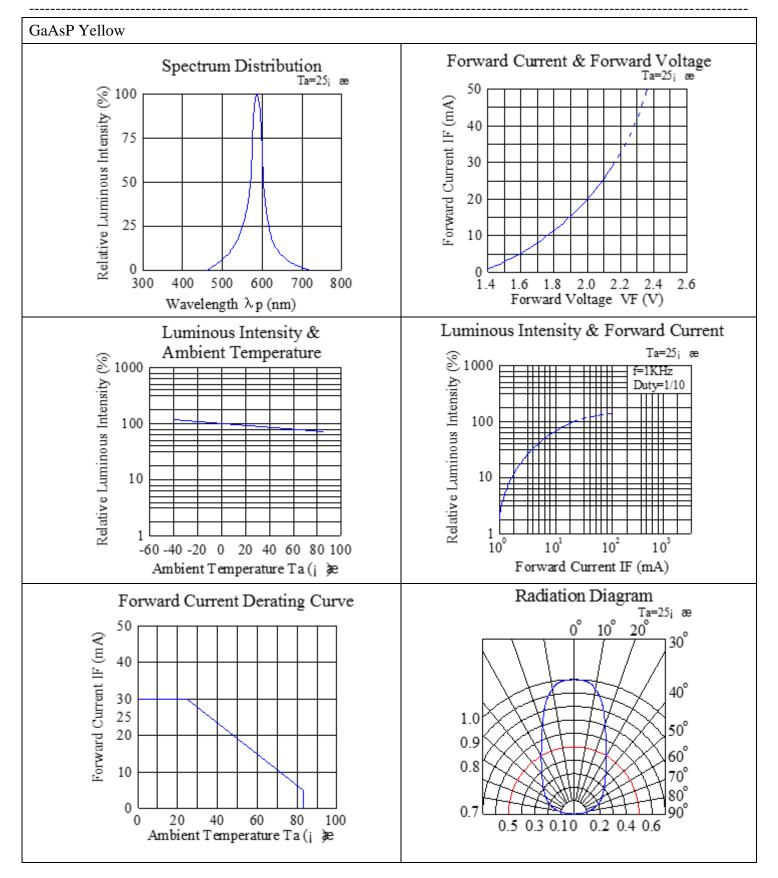






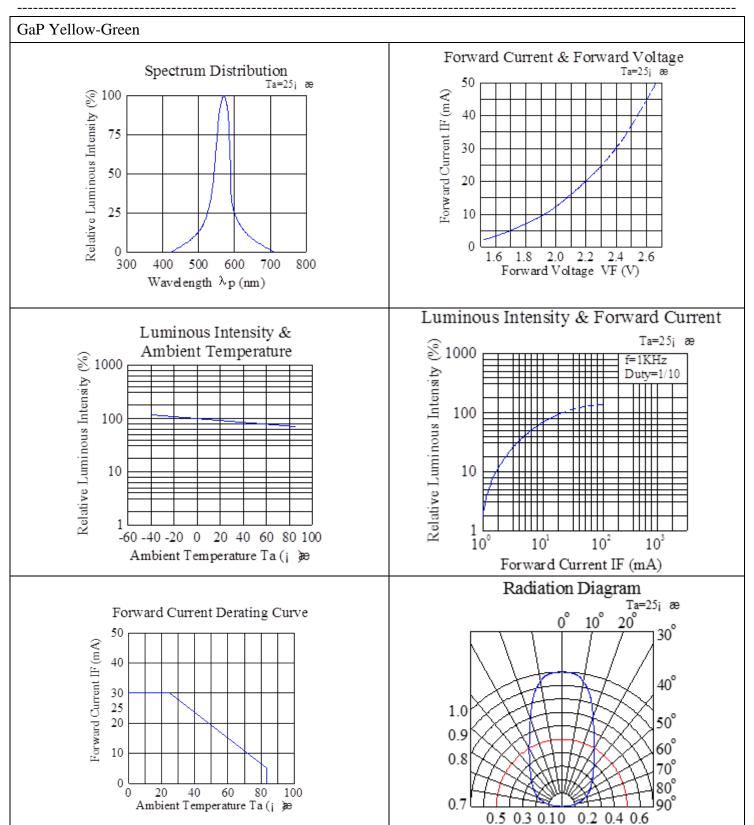
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Labeling

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

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBL8RAYG60D- MP6	QBL8RAYG60D- MP6	Iv=13mcd typ. @ 20mA, λ_D =630nm typ.; Iv=20mcd typ. @ 20mA, λ_D =570nm typ.	500
QBL8RAYA60D- MP6	QBL8RAYA60D- MP6	Iv=13mcd typ. @ 20mA, λ _D =630nm typ.; Iv=13mcd typ. @ 20mA, λ _D =588nm typ.	500
QBL8YGYA100D- MP6	QBL8YGYA100D- MP6	Iv=20mcd typ. @ 20mA, λ_D =570nm typ.; Iv=13mcd typ. @ 20mA, λ_D =588nm typ.	500

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Revision History

Description:	Revision #	Revision Date
New Release of QBL8XXXX60D-MP6_series	V1.0	06/24/2016

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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