

QT-Brightek Metal Can Series

TO-46 Package

Part No.: QBTO46XY-UVZ_series

**X= Lens Type
Y= Cap Height
Z=Peak Wavelength Range**

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Introduction

Feature:

- TO-46 Package
- Pin length: 13.5mm typ.
- Pin pitch: 2.54mm typ.
- Cap height profile: 3.6mm typ.

Application:

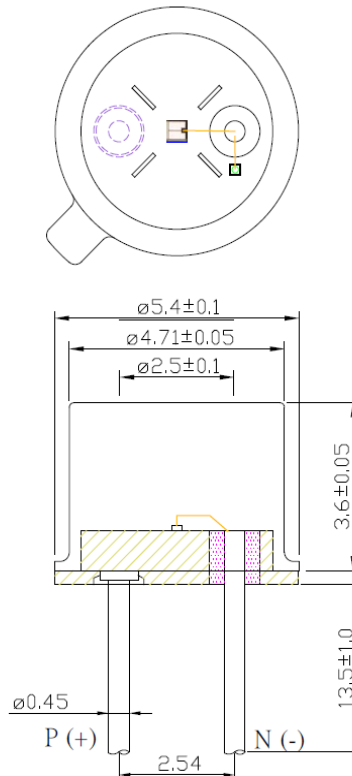
- UV Curing
- Currency Validation
- Medical

Certification & Compliance:

- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.25mm

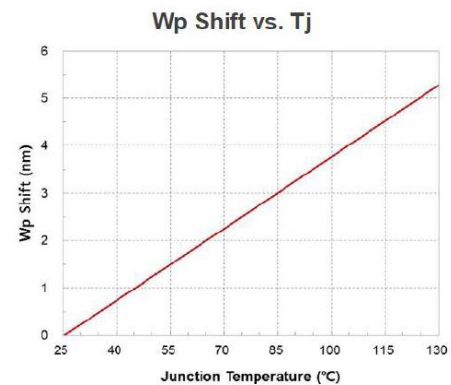
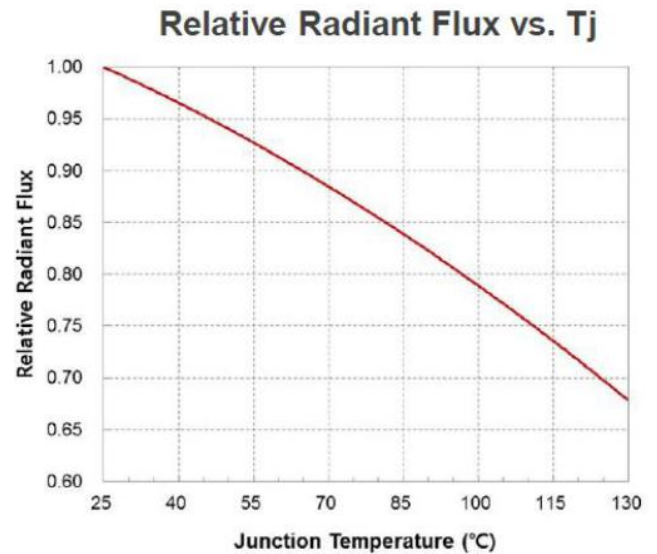
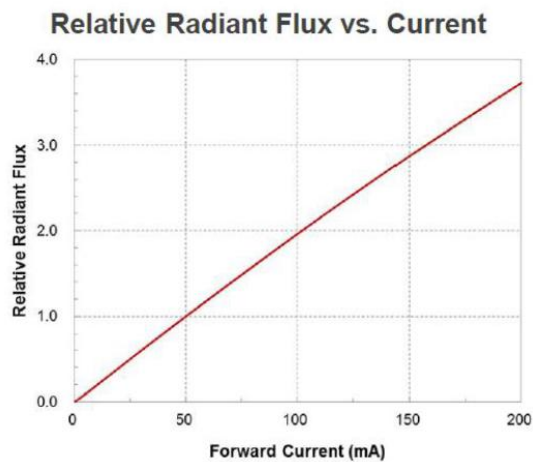
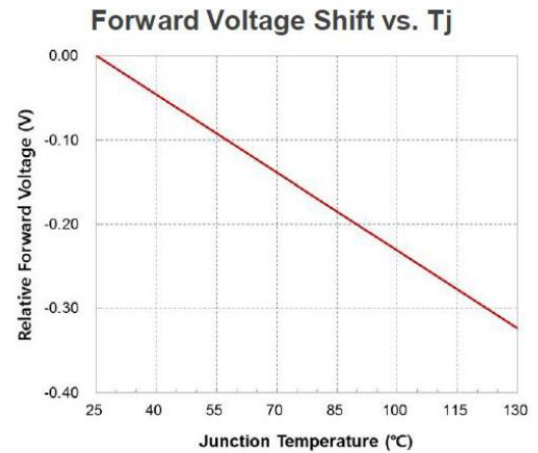
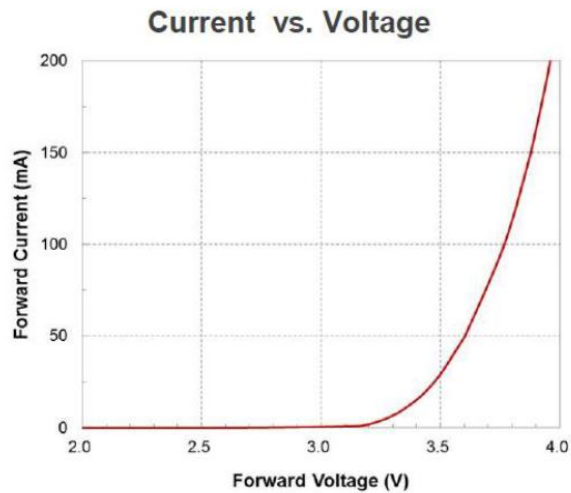
Electrical / Optical Characteristic (T=25 °C)

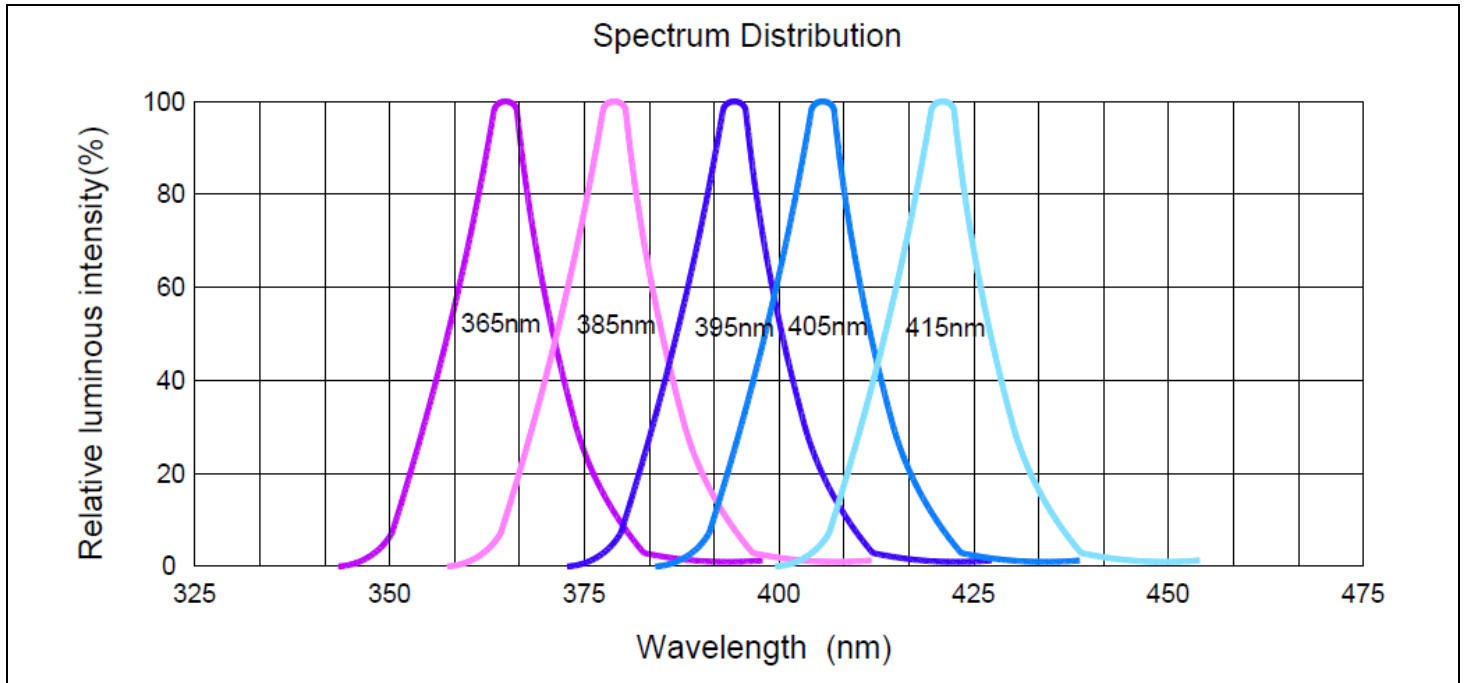
Product	I _F (mA)	V _F (V)		WLP (nm)			Radiant Power (mW)	
		Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.
QBTO46-UVA	50	3.5	4.0	--	368	--	5	20

Absolute Maximum Rating

P _d (mW)	I _F (mA)	I _{FP} (mA)*	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
600	150	200	5	-10 to + 100	-40 to +100

Characteristic Curves





Packing

Packaging Specifications: TBD

Caution





CAUTION

- This UV LED during operation radiates intense UV light.
- Do not look directly into the UV light during operation of the device. This can be harmful to the eyes even for brief period due to the intense UV light.
- If viewing the UV light is necessary, please use UV filtered glasses to avoid damage by the UV light.
- If the UV LED in your product might be viewed directly, please affix a caution label to your product to that effect.

Avoid direct eye exposure to UV light
Keep out of reach of children

Ordering Information

Part #	Orderable Part #	Spec Range	Quantity per bag
QBTO46-UVA	QBTO46-UVA	Po=20.0mW @ I _F =50mA	--

Revision History

Description:	Revision #	Revision Date
New Release of QBTO46XY-UVZ_series	V1.0	09/19/2018
Update Spec and drawing	V1.1	01/04/2019
Update drawing	V1.2	03/02/2020

Disclaimer

QT-BRIGHTTEK reserves the right to make changes without further notice to any products herein to improve reliability, function or design. QT-BRIGHTTEK does not assume any liability arising out of the application or use of any product or circuit described herein; neither does it convey any license under its patent rights, nor the rights of others.

Life Support Policy

QT-BRIGHTTEK's products are not authorized for use as critical components in life support devices or systems without the express written approval of QT-BRIGHTTEK. As used herein:

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.