

QT-Brightek Display Series

0.30" Single Digit Display

Part No.: QBSLDIW30ZGR

Z = 1: Common Cathode

Z = 0: Common Anode

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| | Version# 1.0 | |

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Introduction

Feature:

- 0.30" Single digit seven segments display
- Low power consumption
- InGaN technology
- Z= 1: Common Cathode or 0:Common Anode

Description:

These 0.30" Single digit seven segments displays are made with white segment and grey surface. The viewing distance is up to seven meters.

Application:

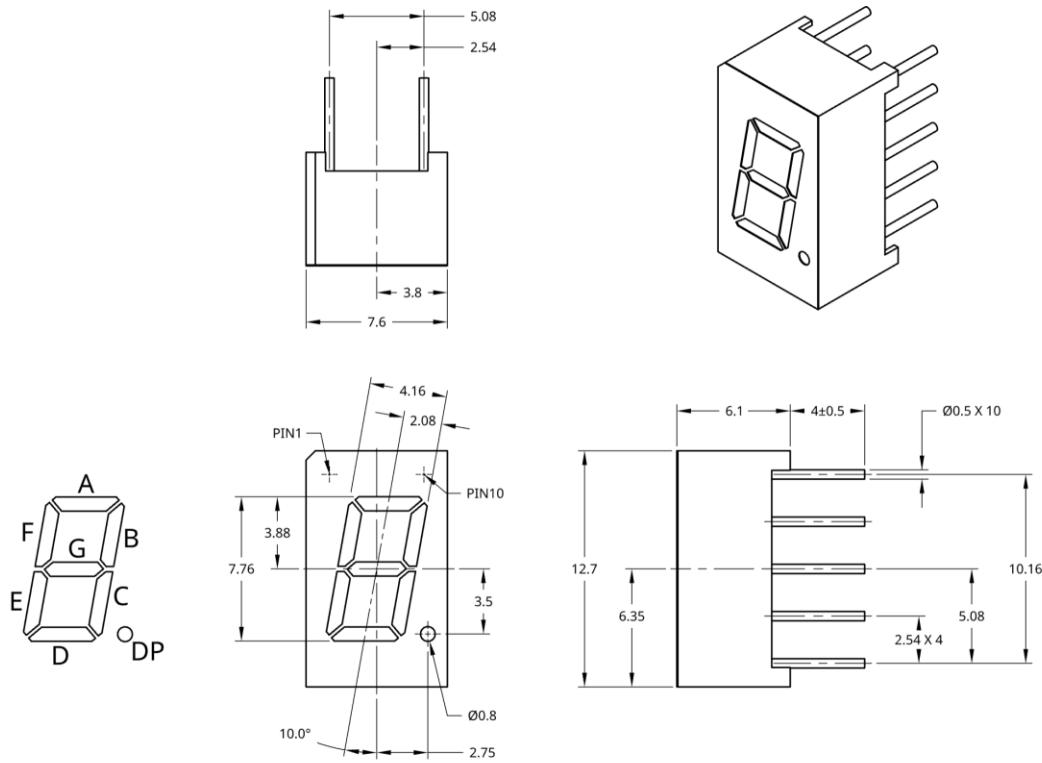
- Instrument panels
- Indoor/Outdoor display board
- Audio equipment

Certification & Compliance:

- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.25mm

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Electrical / Optical Characteristic (Ta=25 °C)

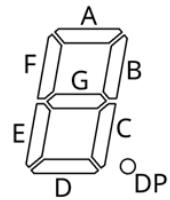
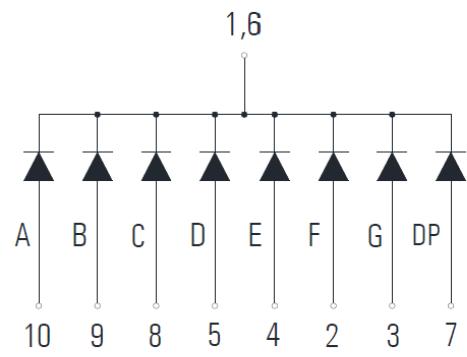
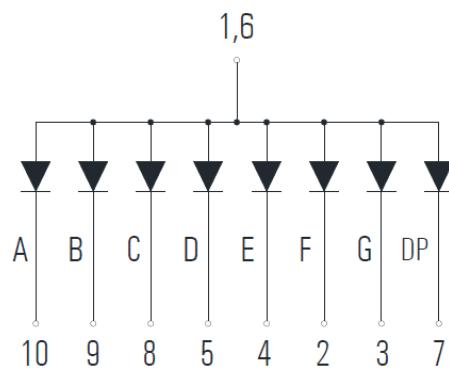
| Product | | Color | I _F (mA) | V _F (V) | | Chromaticity Coordinates | I _V (mcd) |
|----------------|--------------|-------|---------------------|--------------------|------|--------------------------|-----------------------|
| Common Cathode | Common Anode | | | Typ. | Max. | Typ. | Typ. |
| QBSLDIW301GR | QBSLDIW300GR | White | 20 | 3.0 | 3.2 | X=0.30 Y=0.31 | 68 @10mA 136 @20mA |

Absolute Maximum Rating

| Material | P _d (mW) | I _F (mA) | I _{PF} (mA)* | V _R (V) | T _{OP} (°C) | T _{ST} (°C) |
|----------|---------------------|---------------------|-----------------------|--------------------|----------------------|----------------------|
| InGaN | 64 | 20 | 40 | 5 | -40 to +80 | -40 to +85 |

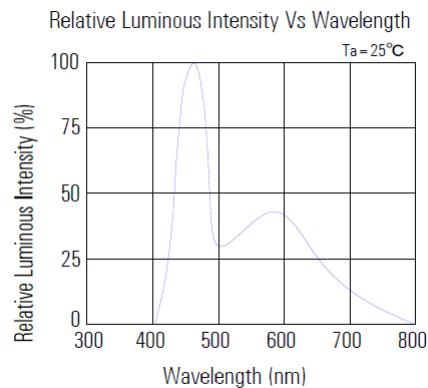
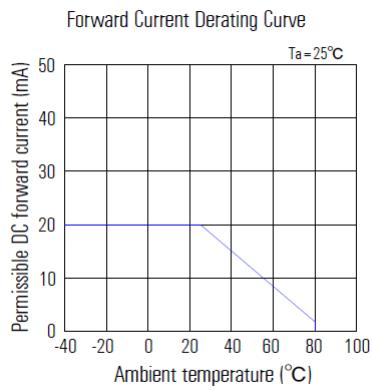
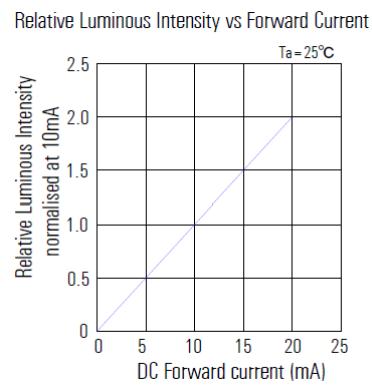
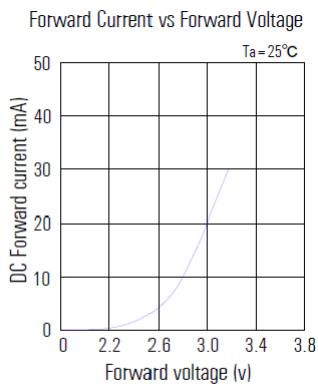
*Duty 1/10 @ 1KHz

Pin Configuration

**Common Cathode (QBSLDIW301GR)****Common Anode (QBSLDIW300GR)**

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Characteristic Curves



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Ordering Information

| Orderable Part # | | Spec Range | Quantity per foam |
|------------------|--------------|---------------------------------------|-------------------|
| Common Cathode | Common Anode | | |
| QBSLDIW301GR | QBSLDIW300GR | Iv=136mcd typ. @ 20mA, X=0.30, Y=0.31 | 495 pcs |

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Revision History

| Description: | Revision # | Revision Date |
|-----------------------------|------------|---------------|
| New Release of QBSLDIW30ZGR | V1.0 | 08/23/2023 |
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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.