

# **QT-Brightek Display Series**

## **0.30" Single Digit Display**

**Part No.: QBSLDAG130ZGR**

**Z = 1: Common Cathode**

**Z = 0: Common Anode**



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**Table of Contents:**

Introduction ..... 3  
Electrical / Optical Characteristic (Ta=25 °C) ..... 4  
Pin Configuration ..... 5  
Characteristic Curves..... 6  
Ordering Information ..... 7  
Revision History ..... 8  
Disclaimer ..... 8

## Introduction

### Feature:

- 0.30" Single digit seven segments display
- Low power consumption
- AlInGaP 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:

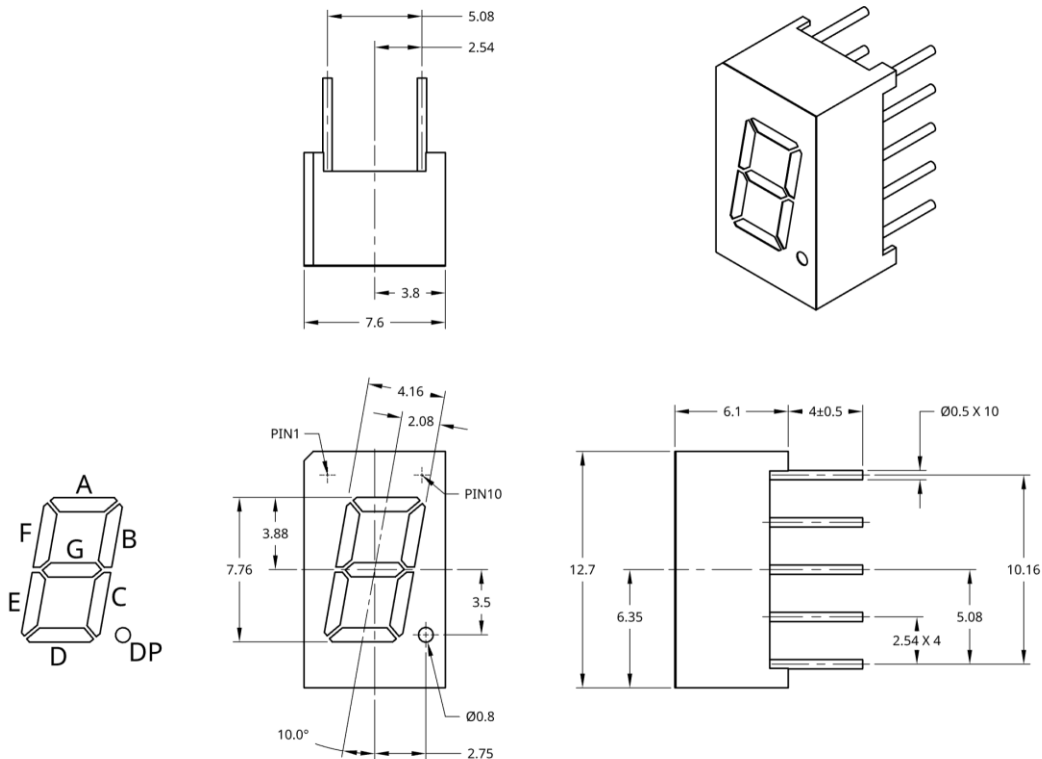
- Instrument panels
- Indoor/Outdoor display board
- Audio equipment

### Certification & Compliance:

- ISO9001
- RoHS Compliant



## Dimension:



Units: mm / tolerance = +/-0.25mm

**Electrical / Optical Characteristic (Ta=25 °C)**

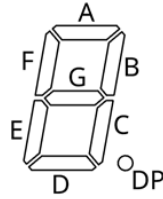
| Product        |               | Color | I <sub>F</sub> (mA) | V <sub>F</sub> (V) |      | λ <sub>D</sub> (nm) | λ <sub>P</sub> (nm) | I <sub>V</sub> (mcd) |
|----------------|---------------|-------|---------------------|--------------------|------|---------------------|---------------------|----------------------|
| Common Cathode | Common Anode  |       |                     | Typ.               | Max. | Typ.                | Typ.                | Typ.                 |
| QBSLDAG1301GR  | QBSLDAG1300GR | Green | 20                  | 2.0                | 2.4  | 572                 | 575                 | 7 @10mA<br>14 @20mA  |

**Absolute Maximum Rating**

| Material | P <sub>d</sub> (mW) | I <sub>F</sub> (mA) | I <sub>PF</sub> (mA)* | V <sub>R</sub> (V) | T <sub>OP</sub> (°C) | T <sub>ST</sub> (°C) |
|----------|---------------------|---------------------|-----------------------|--------------------|----------------------|----------------------|
| AllnGaP  | 48                  | 20                  | 40                    | 5                  | -40 to +80           | -40 to +85           |

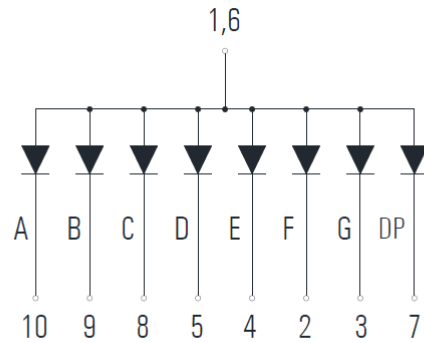
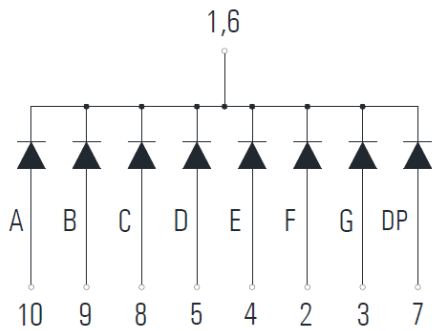
\*Duty 1/10 @ 1KHz

**Pin Configuration**

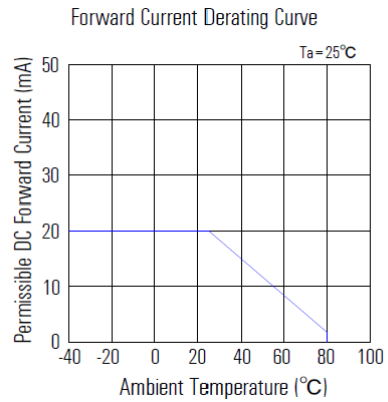
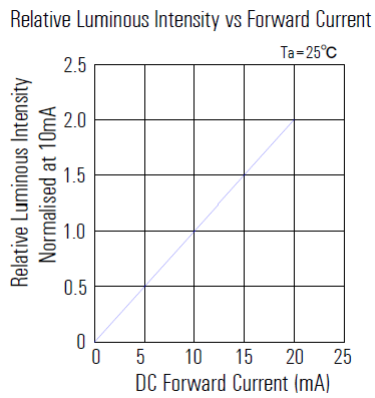
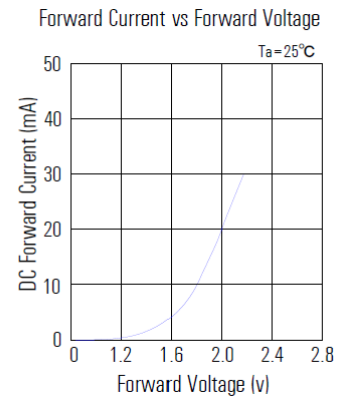
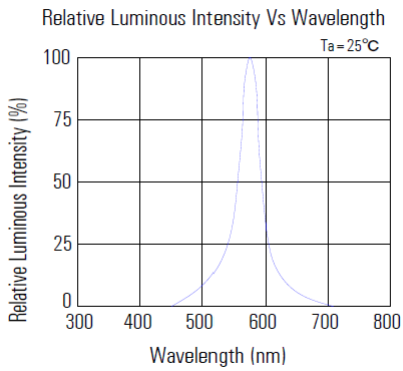


**Common Cathode (QBSLDAG1301GR)**

**Common Anode (QBSLDAG1300GR)**



**Characteristic Curves**





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### Ordering Information

| Orderable Part # |               | Spec Range   | Quantity per foam |
|------------------|---------------|--|-------------------|
| Common Cathode   | Common Anode  |  |                   |
| QBSLDAG1301GR    | QBSLDAG1300GR | Iv=14mcd typ. @ 20mA, λD=572nm typ., λP=575nm typ. | 495pcs            |

## Revision History

| Description:                 | Revision # | Revision Date |
|------------------------------|------------|---------------|
| New Release of QBSLDAG130ZGR | V1.0       | 08/25/2023    |
|                              |            |               |
|                              |            |               |
|                              |            |               |
|                              |            |               |

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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.