

# **QT-Brightek Display Series**

## **0.56" Single Digit Display**

**Part No.: QBSLDAG156ZGR**

**Z = 1: Common Cathode**

**Z = 0: Common Anode**

**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:**

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

**Description:**

These 0.56" Single digit seven segments displays are made with white segment and grey surface. The viewing distance is up to seven meters.

**Application:**

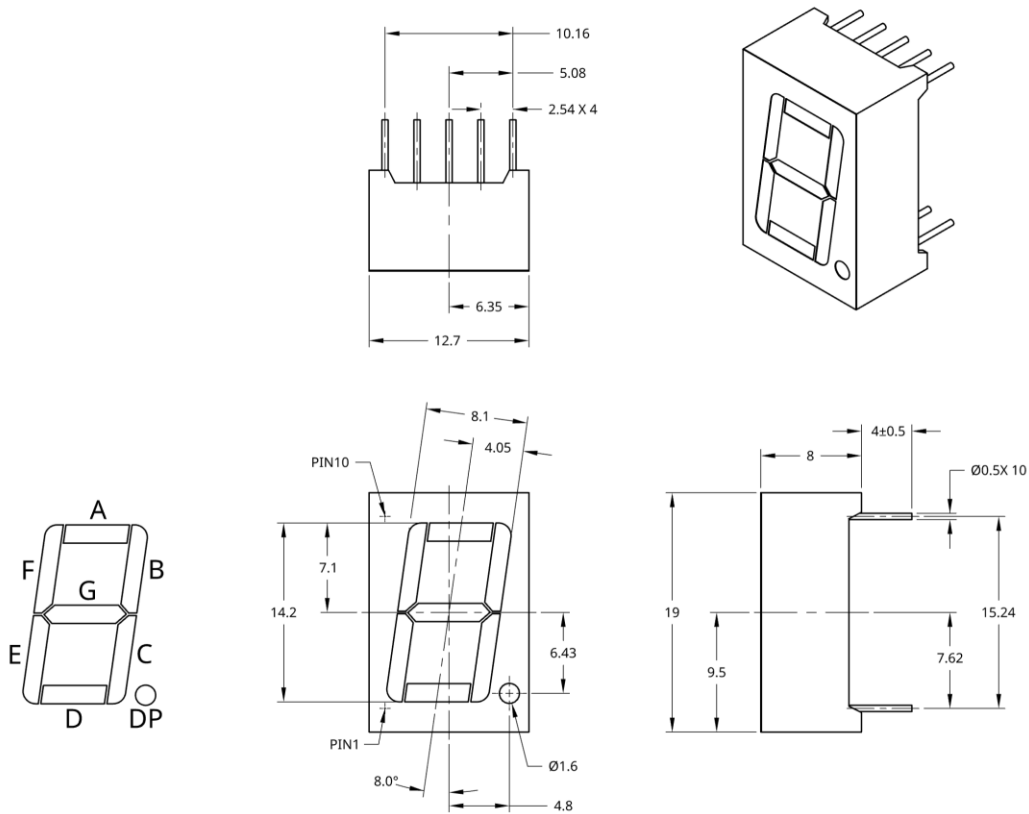
- Instrument panels
- Indoor/Outdoor display board
- Audio equipment

**Certification & Compliance:**

- ISO9001
- RoHS Compliant



**Dimension:**



Units: mm / tolerance = +/-0.25mm

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

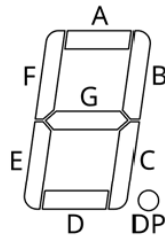
Product		Color	I <sub>F</sub> (mA)	V <sub>F</sub> (V)		λ <sub>D</sub> (nm)	λ <sub>P</sub> (nm)	I <sub>V</sub> (mcd)
Common Cathode	Common Anode			Typ.	Max.	Typ.	Typ.	Typ.
QBSLDAG1561GR	QBSLDAG1560GR	Green	20	2.0	2.4	572	575	10 @10mA 20 @20mA

### 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

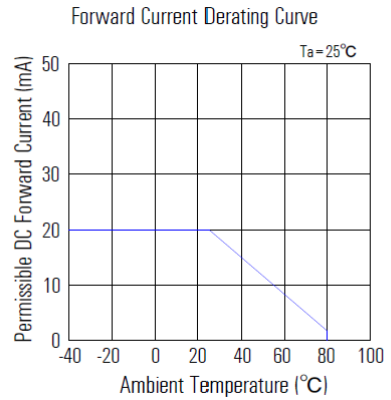
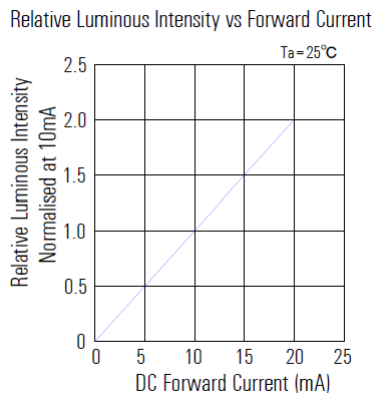
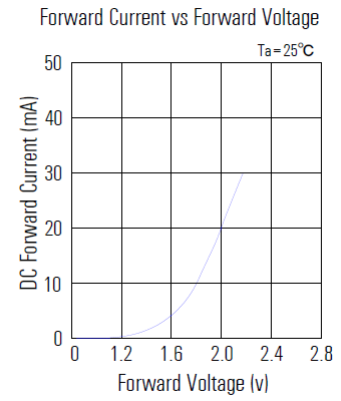
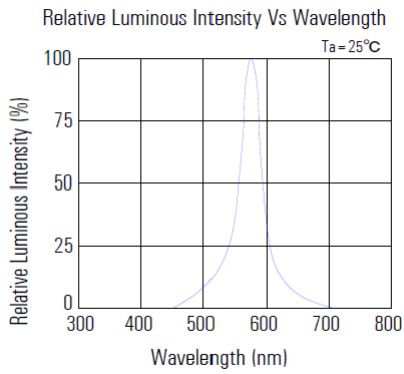
\*Duty 1/10 @ 1KHz

**Pin Configuration**



Common Cathode (QBSLDAG1561GR)	Common Anode (QBSLDAG1560GR)
<p>3,8 (COM)</p> <p>A B C D E F G DP</p> <p>7 6 4 2 1 9 10 5</p>	<p>3,8 (COM)</p> <p>A B C D E F G DP</p> <p>7 6 4 2 1 9 10 5</p>

**Characteristic Curves**





---

## Ordering Information

Orderable Part #		Spec Range	Quantity per foam
Common Cathode	Common Anode		
QBSLDAG1561GR	QBSLDAG1560GR	Iv=18mcd typ. @ 20mA, λD=572nm typ., λP=575nm typ.	200pcs

## Revision History

Description:	Revision #	Revision Date
New Release of QBSLDAG156ZGR	V1.0	08/25/2023

## 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.