

QT-Brightek SMD Display Series

0.40" Single Digit Alphanumeric Display

Part No.: QBASS40YGZ

Z= 1: Common Cathode

Z = 0: Common Anode

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Introduction

Feature:

- 0.40" Single digit fourteen segments SMD display
- Low power consumption
- Packed in tape and reel
- White segment and grey surface
- GaP Green
- X=1: Common Cathode or 0: Common Anode

Description:

These 0.40" Single digit fourteen segments displays are made with white segment and gray surface. The viewing distance is up to seven meters.

Application:

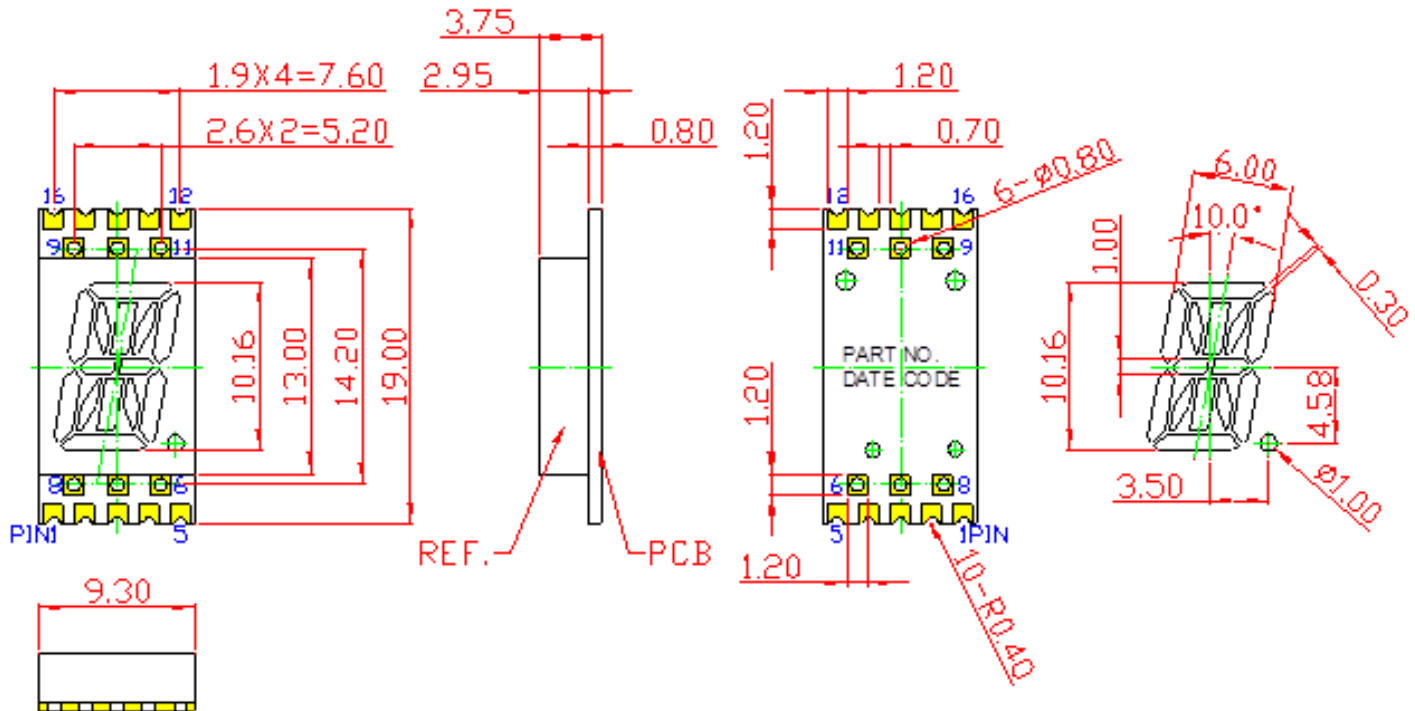
- Instrument panels
- Indoor/Outdoor display board
- Audio equipment

Certification & Compliance:

- TS16949
- ISO9001
- RoHS Compliant



Dimension:



Units: mm / tolerance = +/-0.25mm

Electrical / Optical Characteristic (T=25 °C)

Product		Color	I _F (mA)	V _F (V)			λ _D (nm)			I _V (mcd)
CC	CA			Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
QBASS40YG1	QBASS40YG0	Yellow Green	20	--	2.0	2.6	--	570	--	3

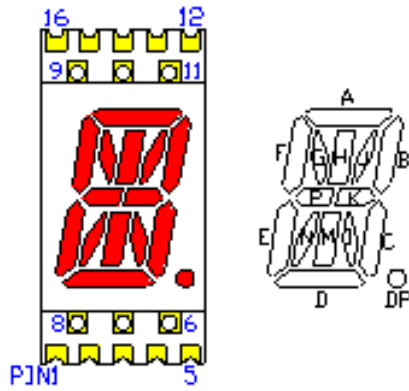
Absolute Maximum Rating

Material	P _d (mW)	Derating liner from 25 °C per dice (mA/ °C)	I _F (mA)	I* _{PF} (mA)	V _R (V)	T _{OP} (°C)	T _{ST} (°C)
GaP	70	0.28	25	90	5	-40 to + 105	-40 to +105

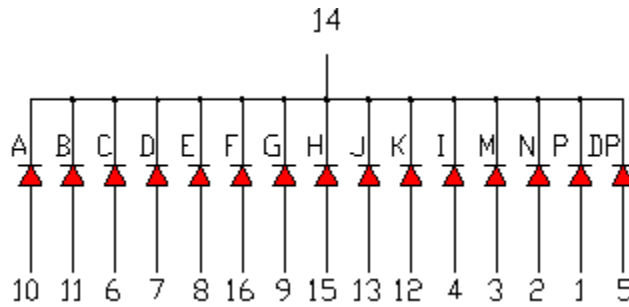
*Duty 1/10 @ 1kHz

** IR Reflow for no more than 5 sec @ 260 °C

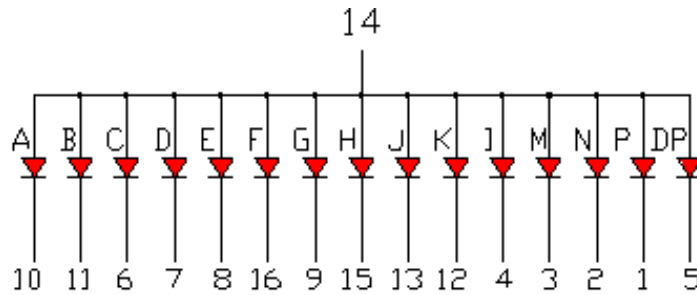
Pin Configuration



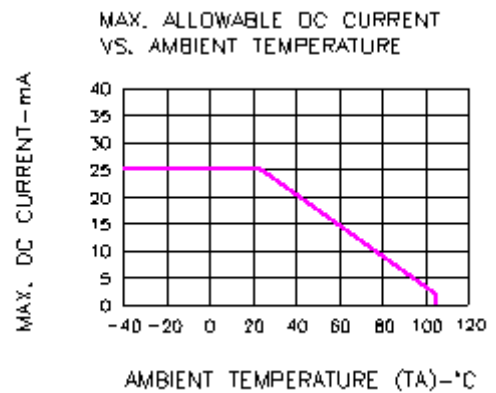
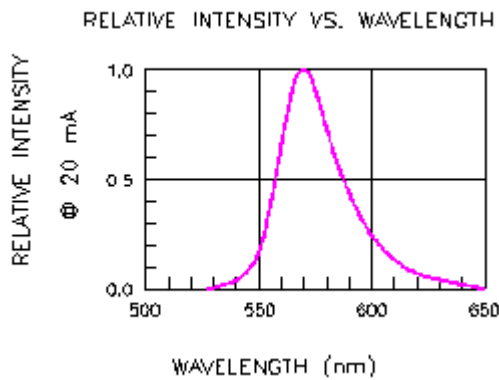
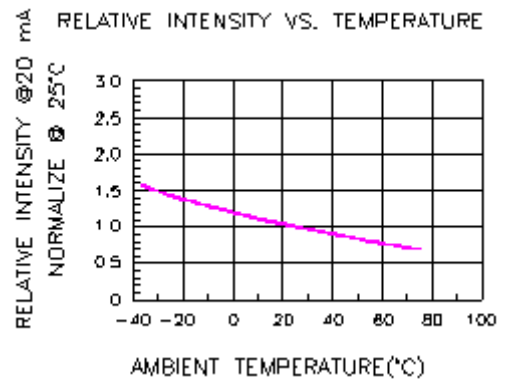
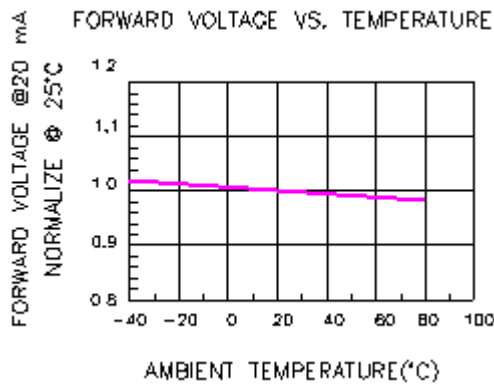
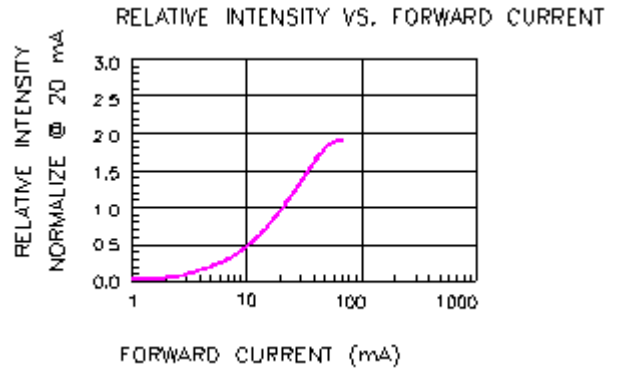
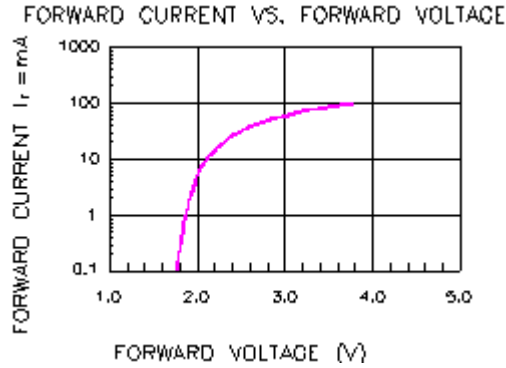
CC



CA



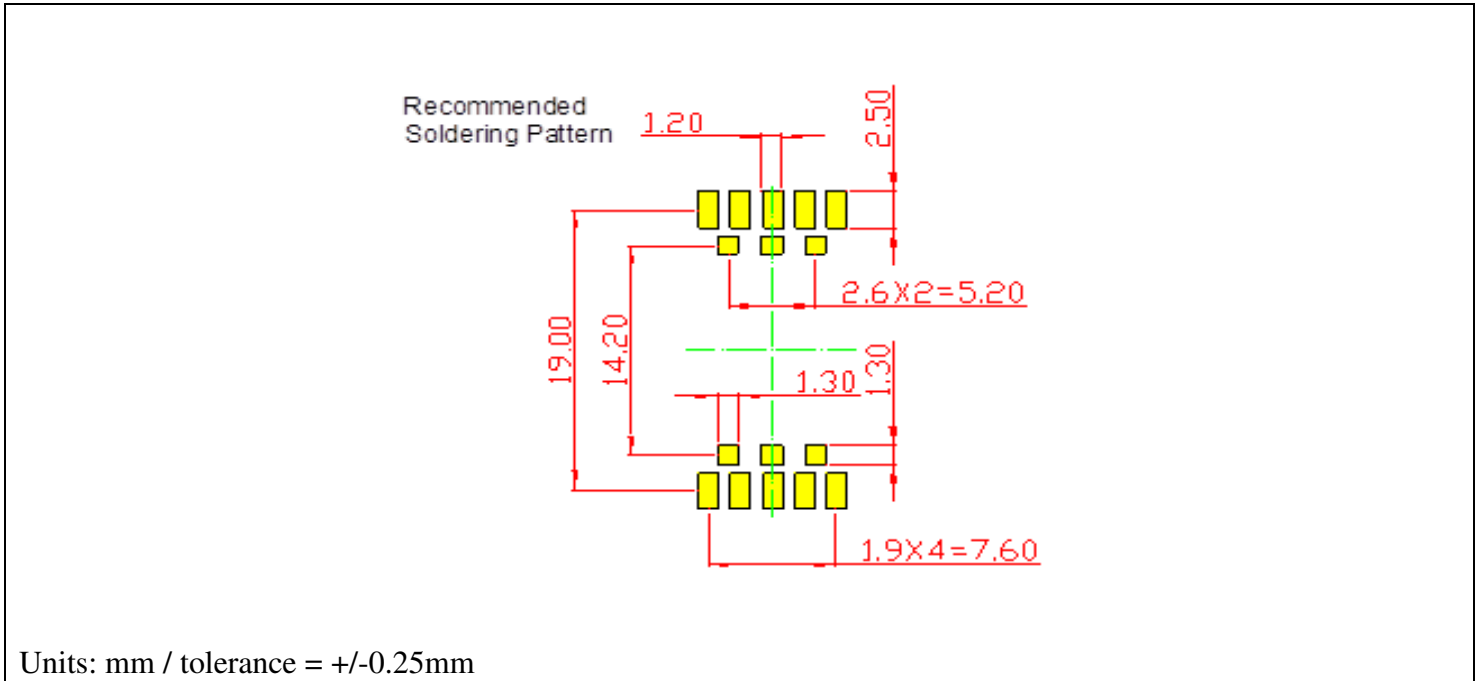
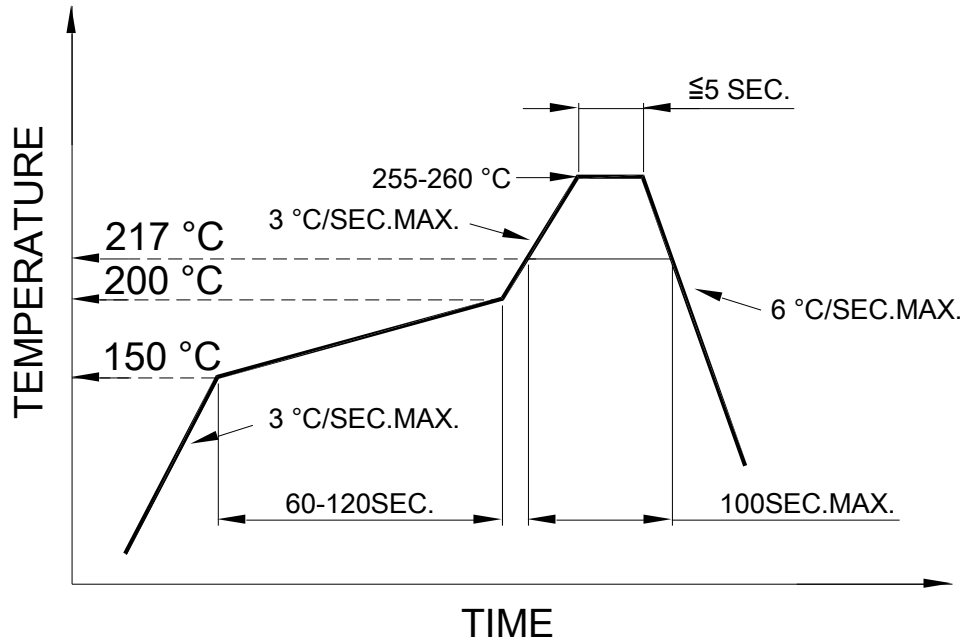
Characteristic Curves



Soldering Profile

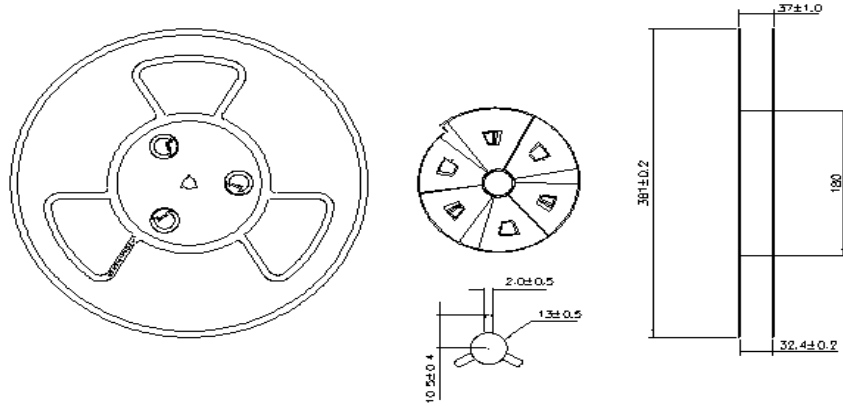
SMT Soldering Profile

Pb free reflow soldering Profile



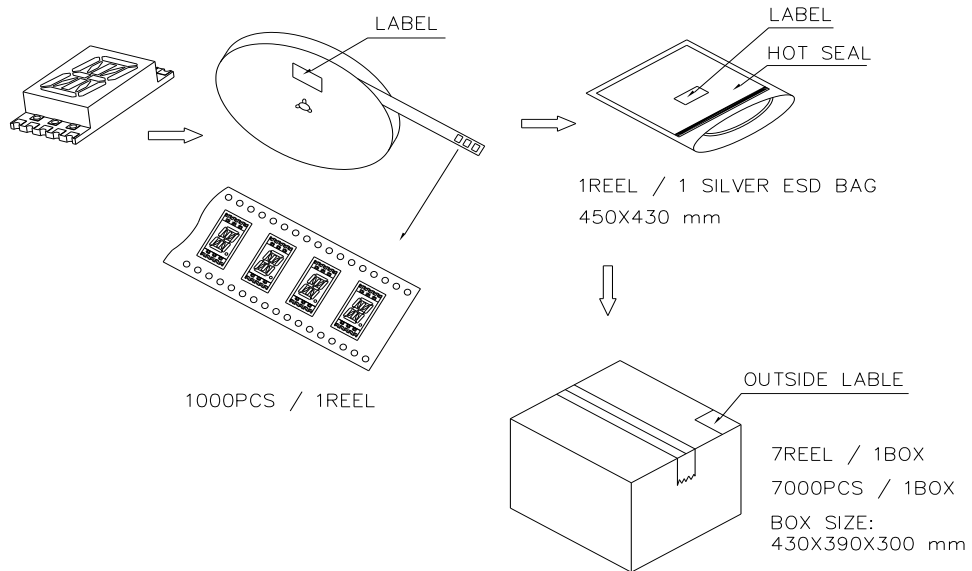
Packing

Reel Dimensions:



Unit: mm

Packing and Label Specifications:



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

Made in Taiwan

Ordering Information

Product		Orderable Part #		Spec Range	Quantity per Reel
CC	CA	CC	CA		
QBASS40YG1	QBASS40YG0	QBASS40YG1	QBASS40YG0	Iv=3 mcd Typ. @ I _F = 20mA/ Color: 570nm Typ.	1000

Revision History

Description:	Revision #	Revision Date
New Release of QBASS40YGZ	V1.0	03/25/2014

Disclaimer

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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.

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