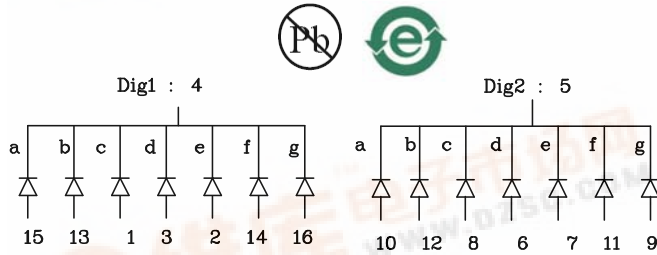


Part Number: **DUG10C2**

10mm (0.4") DUAL DIGIT NUMERIC DISPLAY

Features

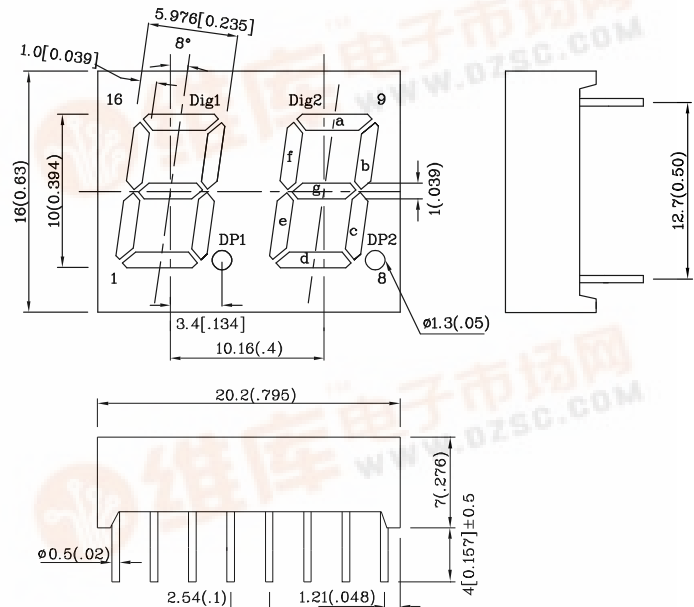
- 0.4 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- TWO DIGIT PACKAGE SIMPLIFIES ALIGNMENTS & ASSEMBLY.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage (Per Chip)	VR	5	V
Forward Current (Per Chip)	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width (Per Chip)	iFS	140	mA
Power Dissipation (Per Chip)	PT	62.5	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		



Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) (Per Chip) (IF=10mA)	VF	2.0	V
Forward Voltage (Max.) (Per Chip) (IF=10mA)	VF	2.5	V
Reverse Current (Max.) (Per Chip) (VR=5V)	IR	10	uA
Wavelength of Peak Emission (Typ.) (IF=10mA)	λ P	565	nm
Wavelength of Dominant Emission (Typ.) (IF=10mA)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	Δλ	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	pF

Part
Number

Emitting
Color

Emitting
Material

Luminous
Intensity
(IF=10mA)
ucd

Wavelength
nm
λ P

Description

min.

typ.

DUG10C2

Green

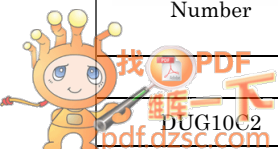
GaP

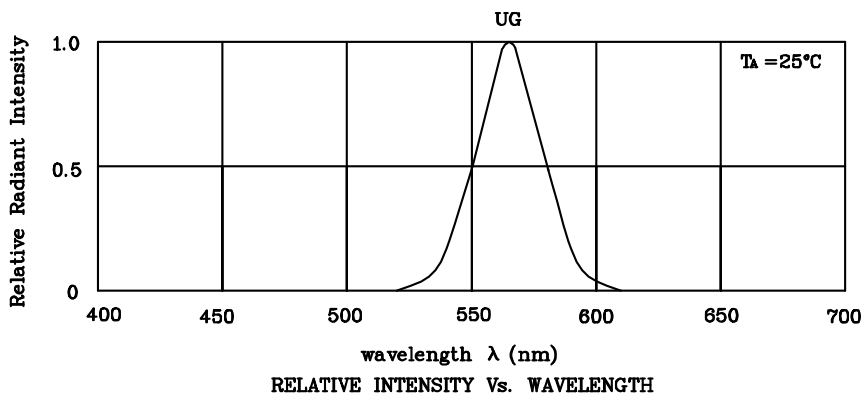
1900

7990

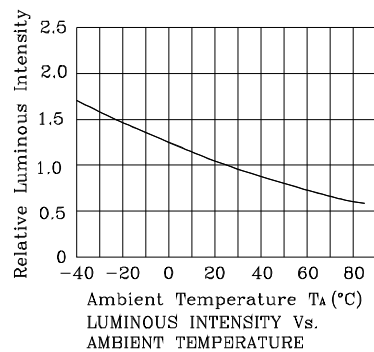
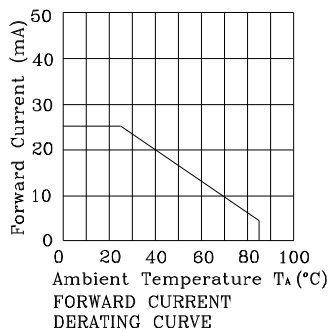
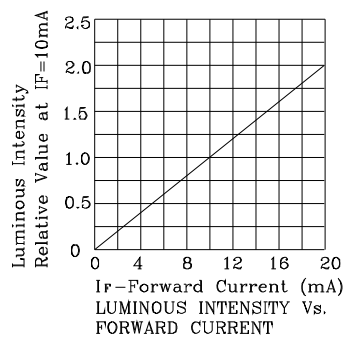
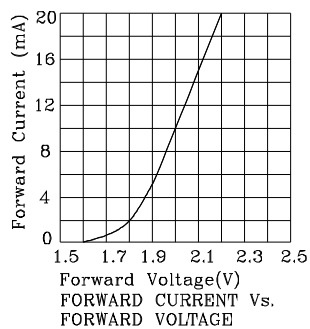
565

Common Cathode

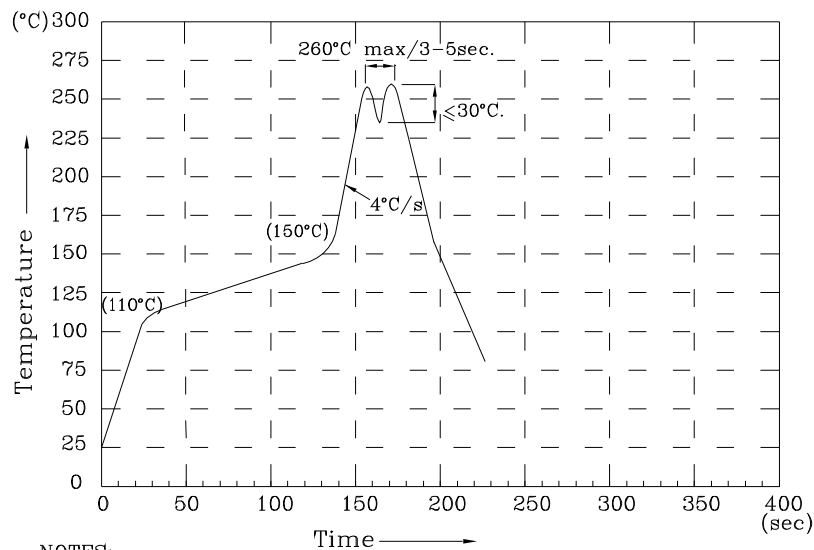




❖ UG



Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

Remarks:

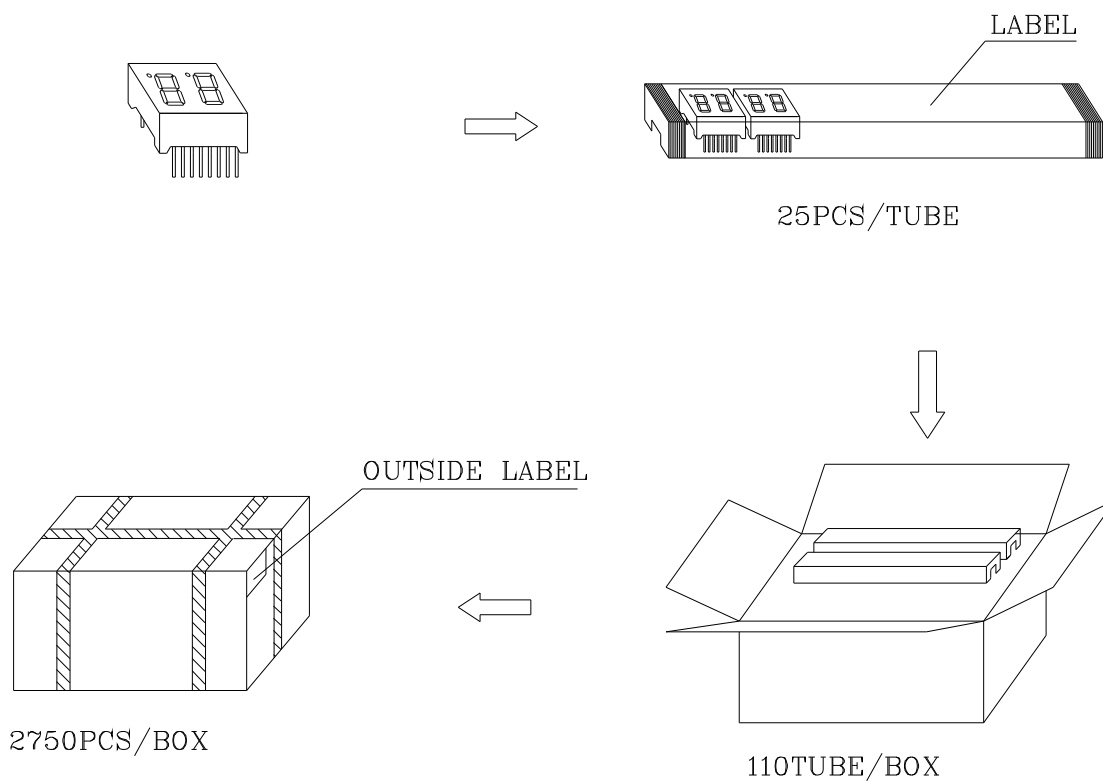
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity/ luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

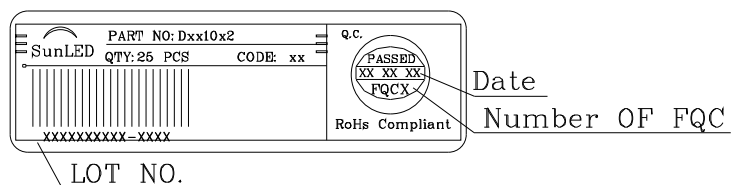
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUG10C2



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

