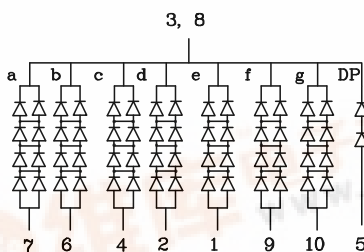


Part Number: **DUG100C**

100mm (4.0") SINGLE DIGIT NUMERIC DISPLAY

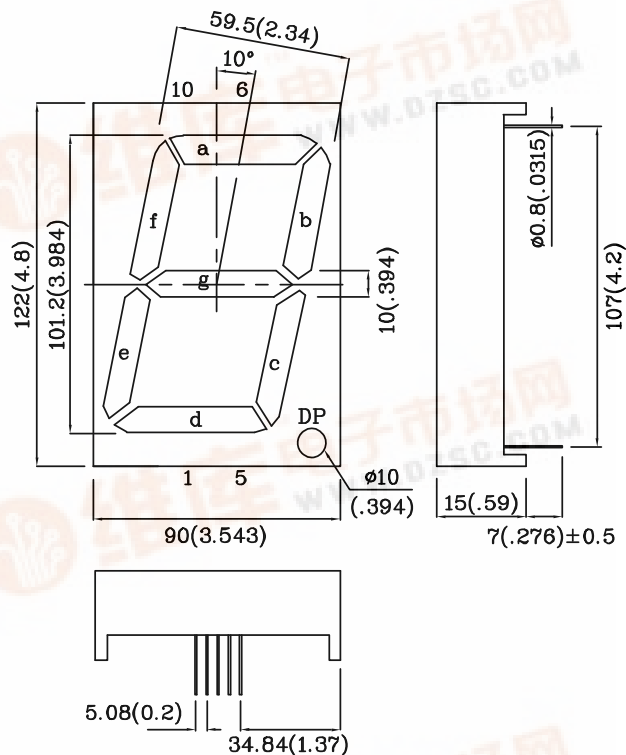
Features

- LARGE SIZE.
- 4.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- 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 Segment Or (Dp)	VR	20 (10)	V
Forward Current Per Segment Or (Dp)	IF	50 (25)	mA
Forward Current (Peak) Per Segment Or (Dp) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	280 (140)	mA
Power Dissipation Per Segment Or (Dp)	PT	500 (125)	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 Segment Or (Dp) (IF=10mA)	VF	8 (4)	V
Forward Voltage (Max.) Per Segment Or (Dp) (IF=10mA)	VF	10.0 (5.0)	V
Reverse Current Per Segment Or (Dp) (Max.) (VR=20(10)V)	IR	20 (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
NumberEmitting
ColorEmitting
MaterialLuminous
Intensity
(IF=10mA)
ucdWavelength
nm
λ P

Description

min. typ.

DUG100C

Green

GaP

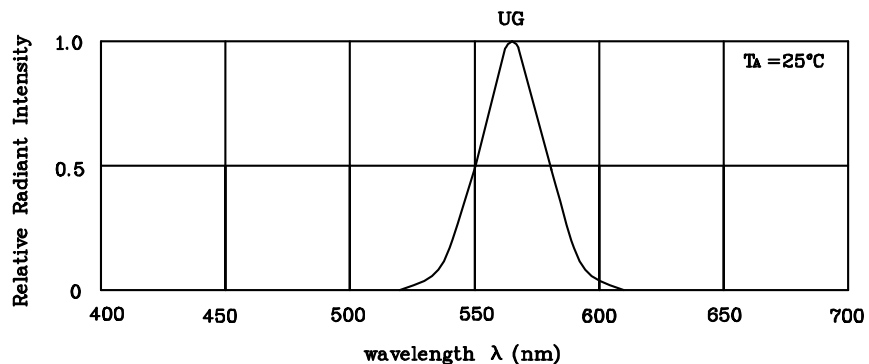
12000

59990

565

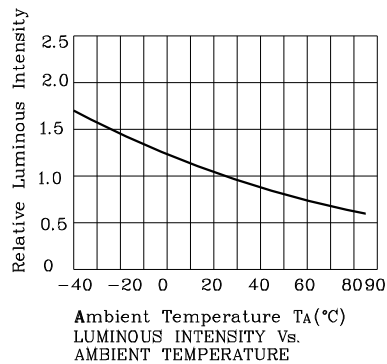
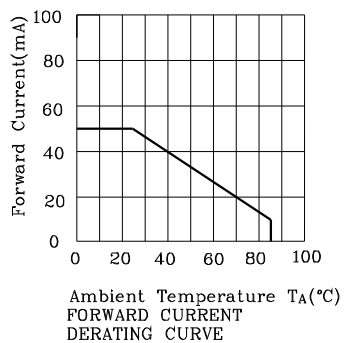
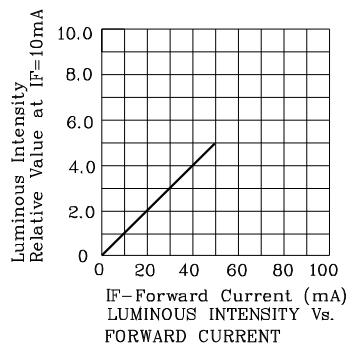
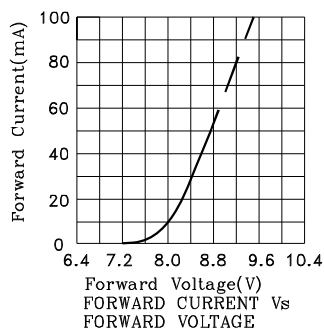
Common Cathode, Rt. Hand Decimal

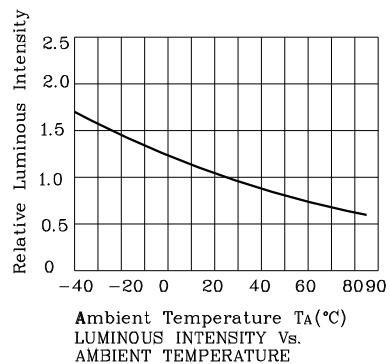
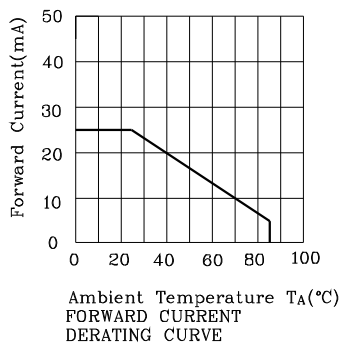
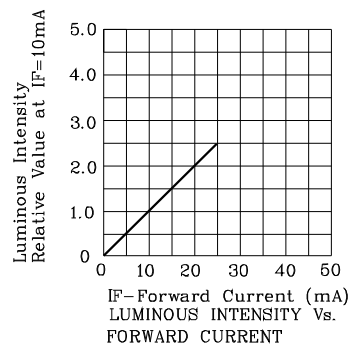
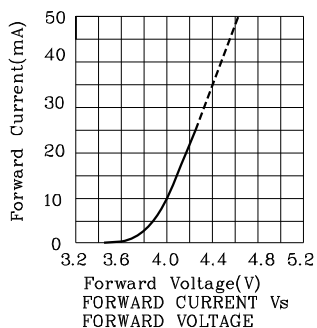




RELATIVE INTENSITY Vs. WAVELENGTH

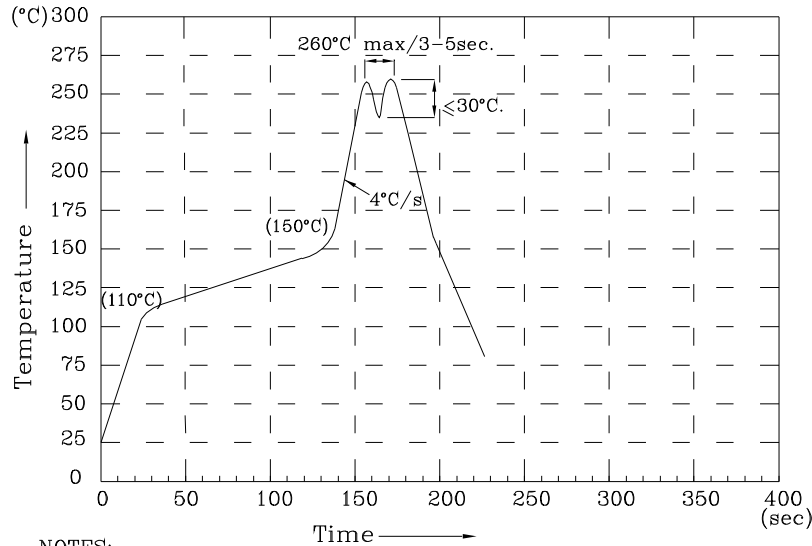
❖ **UG**





DUG100C

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:

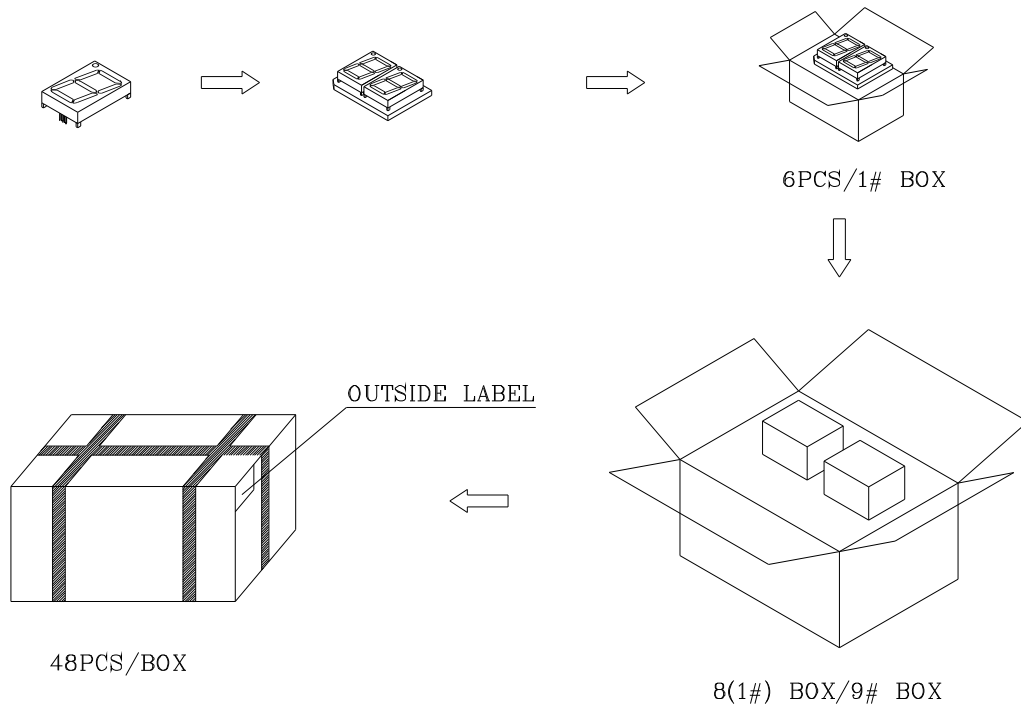
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUG100C



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxxf100x	Q.C.
QTY: 6 PCS	CODE: xx	PASSED XX XX XX FQC RoHS Compliant
XXXXXXXXXX-XXXX		
LOT NO.		Date Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxxf100x	48	XX	Number OF QA Date
QA XX XX XX PASSED			