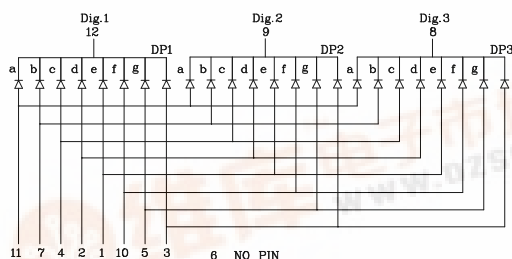


Part Number: **DUG09C3**

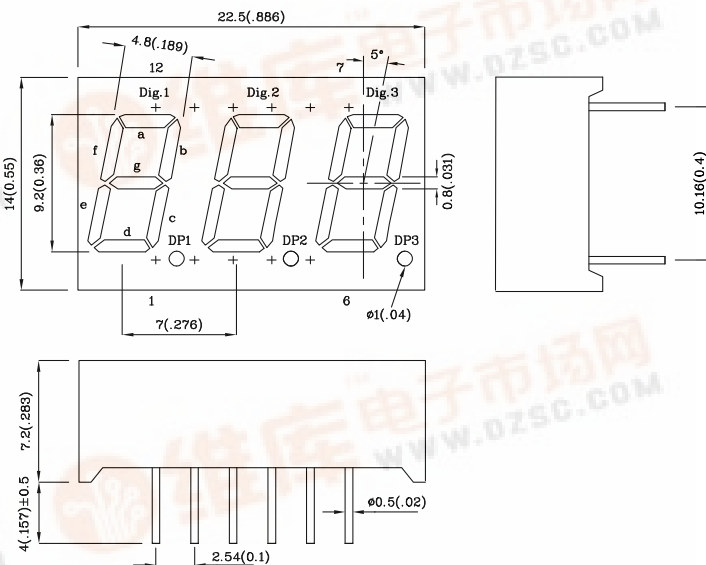
9mm (0.36") THREE DIGIT NUMERIC DISPLAY

Features

- 0.36 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- 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.



Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) (IF=10mA)	VF	2.0	V
Forward Voltage (Max.) (IF=10mA)	VF	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λD	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	pF

Absolute maximum ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation	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		

Part
NumberEmitting
ColorEmitting
MaterialLuminous
Intensity
(IF=10mA)
ucdWavelength
nm
 λP

Description

min.

typ.

DUG09C3

Green

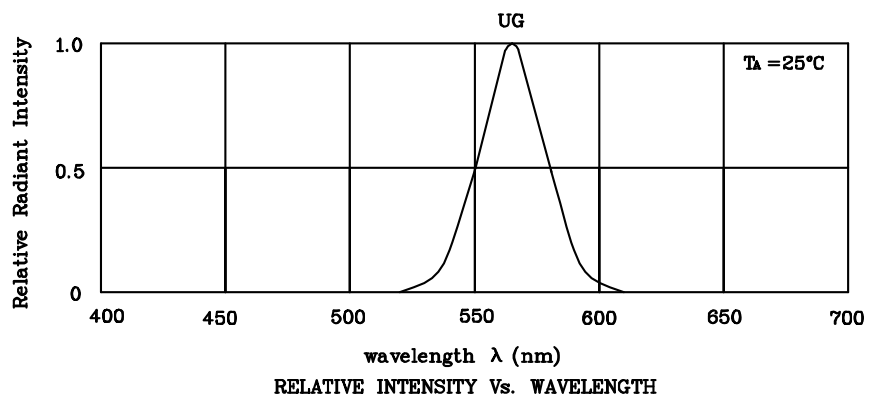
GaP

3000

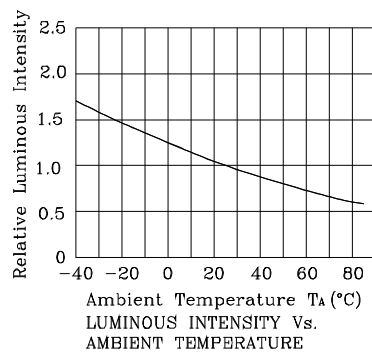
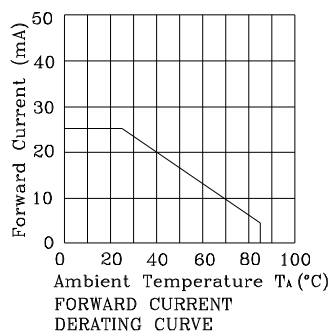
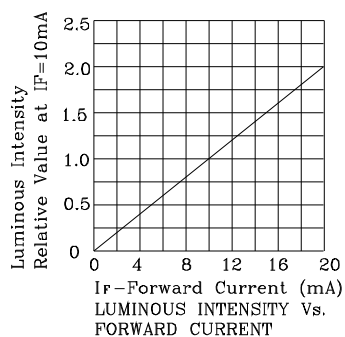
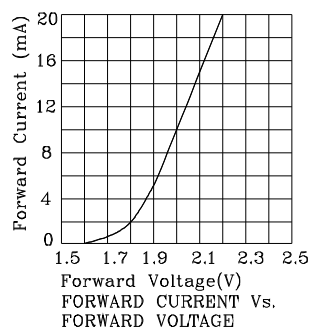
7990

565

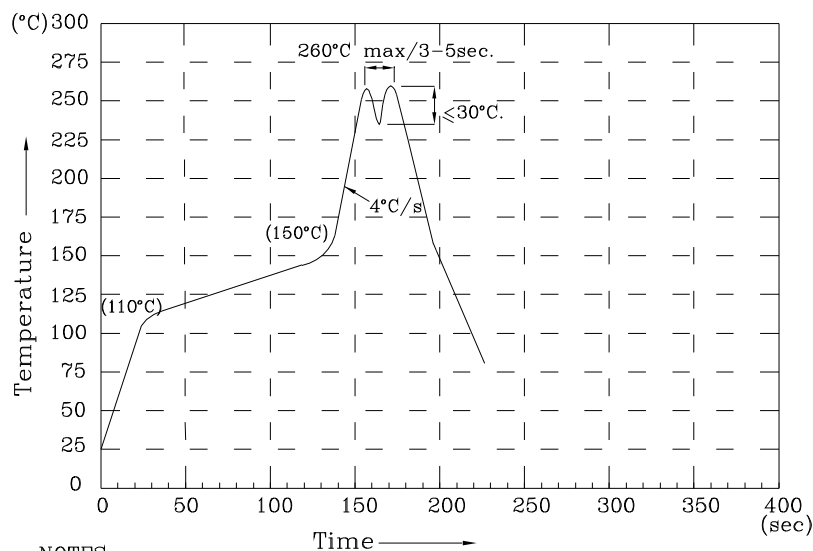
Common Cathode, Rt. Hand Decimal



❖ **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:

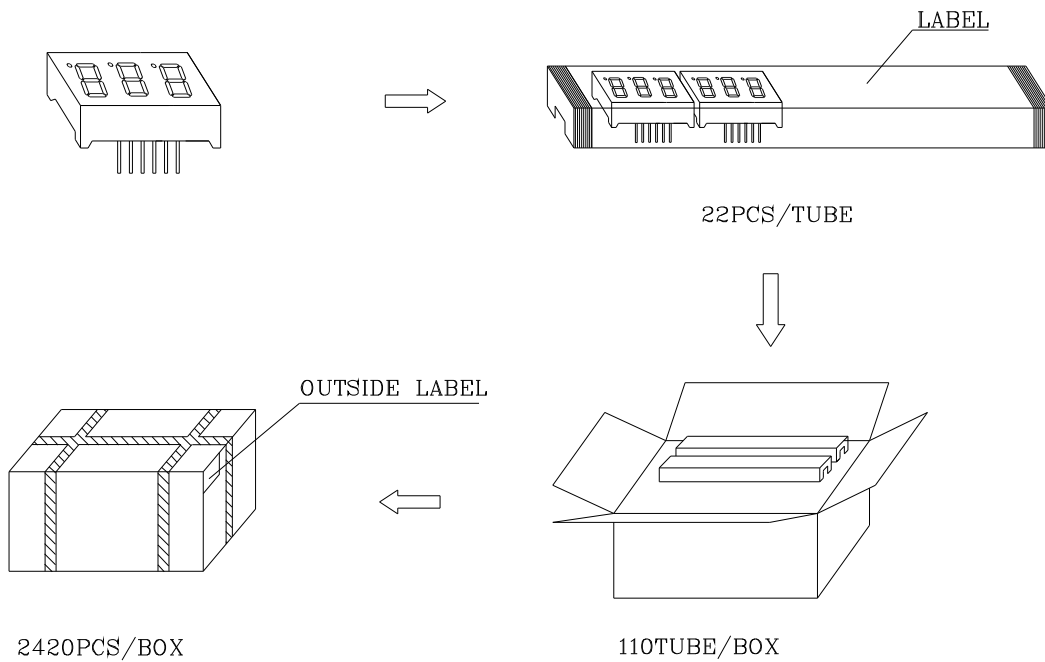
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUG09C3



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx09x3	QTY: 22 PCS	CODE: xx	QC
XXXXXXXXXX-XXXX				PASSED XX XX XX FQC Date Number OF FQC
LOT NO.				RoHS Compliant

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx09x3	2420	XX	Number OF QA
QAX XX XX XX PASSED Date			