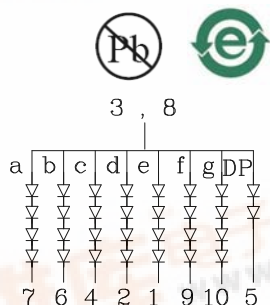


Part Number: **DUG57A**

56.9mm (2.3") SINGLE DIGIT NUMERIC DISPLAY

Features

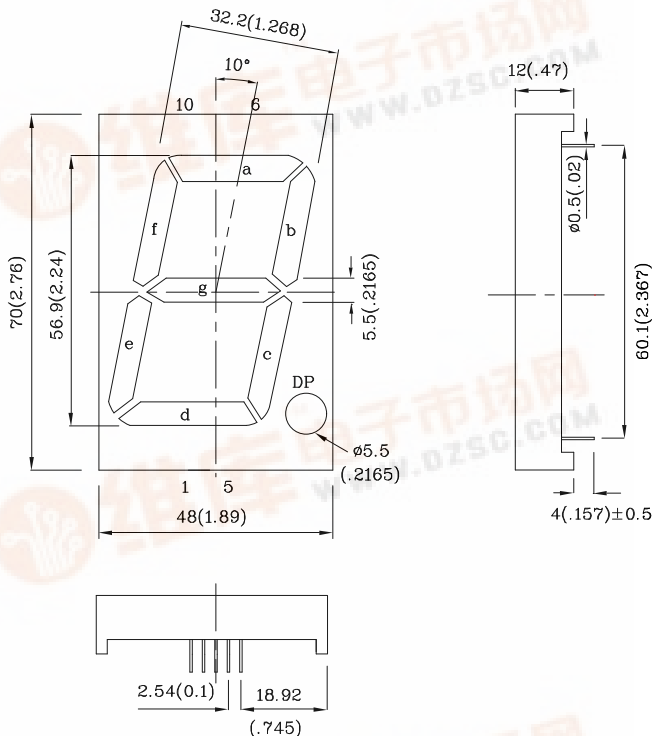
- 2.3 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C.BOARDS OR SOCKETS.
- MULTICOLOR AVAILABLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

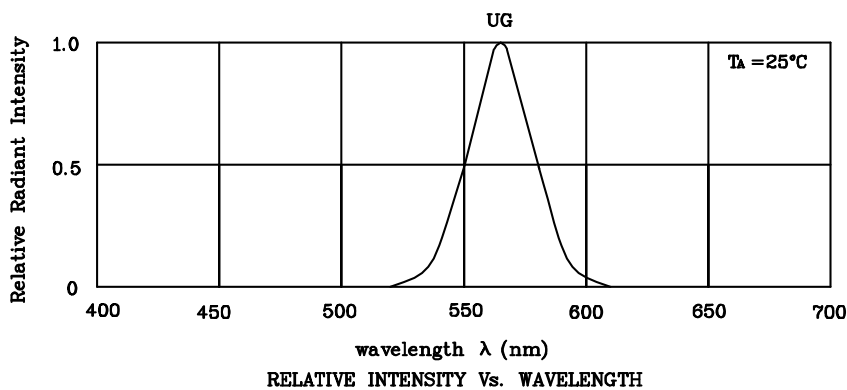
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
3. Specifications are subject to change without notice.

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	25(25)	mA
Forward Current (peak) Per Segment Or (DP) 1/10Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation Per Segment Or (DP)	PT	250(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		

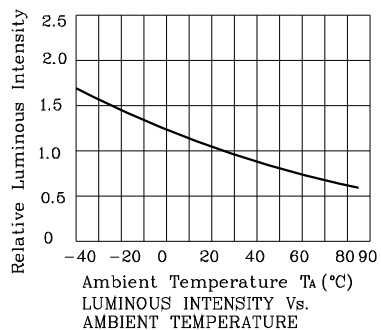
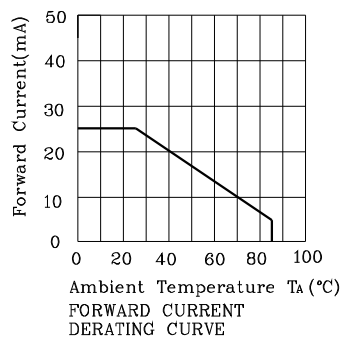
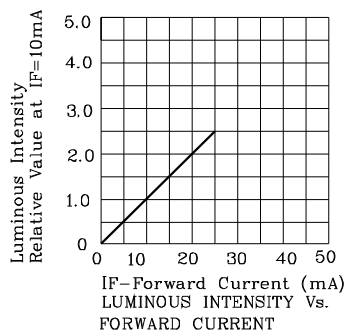
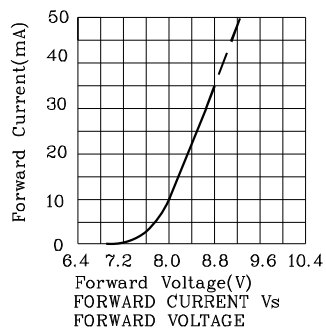


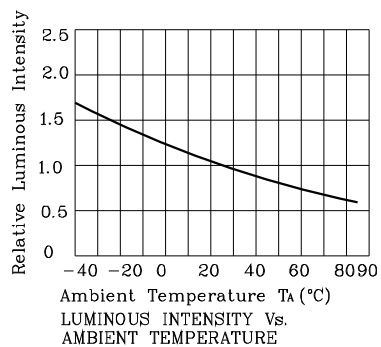
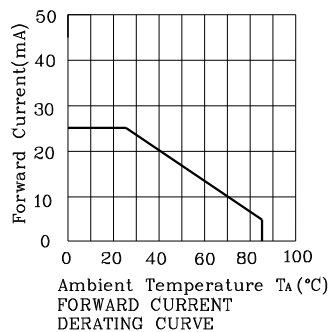
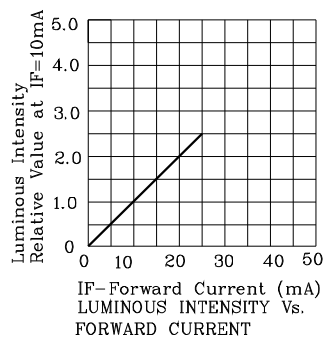
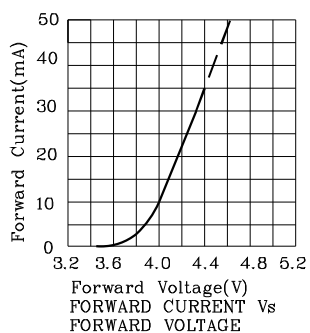
Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) Per Segment Or (DP) (IF=10mA)	VF	8.0(4.0)	V
Forward Voltage (Max.) Per Segment Or (DP) (IF=10mA)	VF	10.0(5.0)	V
Reverse Current Per Segment Or (Dp) (VR=20(10)V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	565	nm
Wavelength 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

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λP	Description
DUG57A	Green	GaP	min. 12000 typ. 52990	565	Common Anode, Rt. Hand Decimal

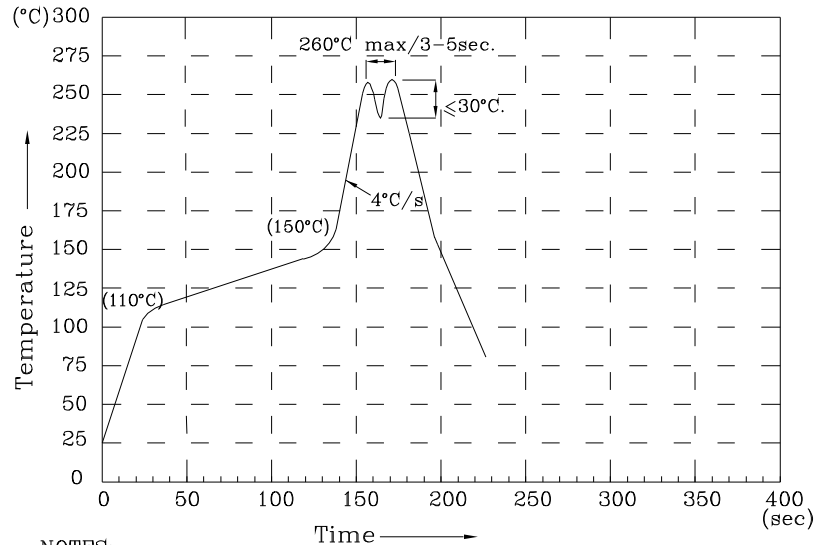


❖ **UG**





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



NOTES:

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

Remarks:

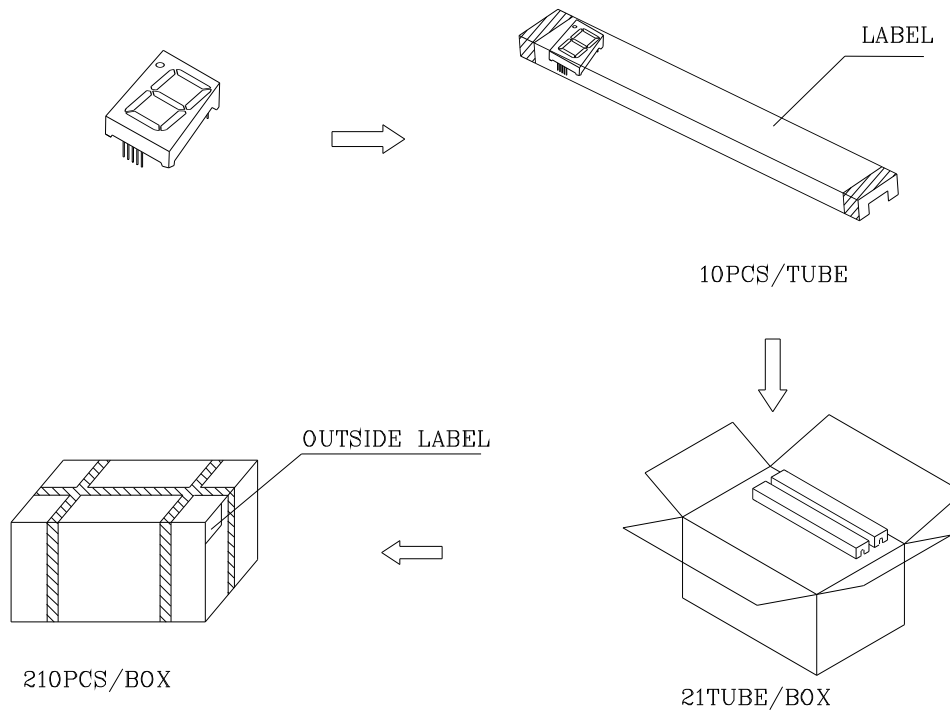
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

DUG57A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx67x	Q.C.
QTY: 10 PCS	CODE: xx	PASSED xx xx xx FQC
XXXXXXXX-XXXX	Lot's Compliant	Date
LOT NO.		Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx67x	210	xx	
Number OF QA			
Date			
QAX xx xx xx PASSED			