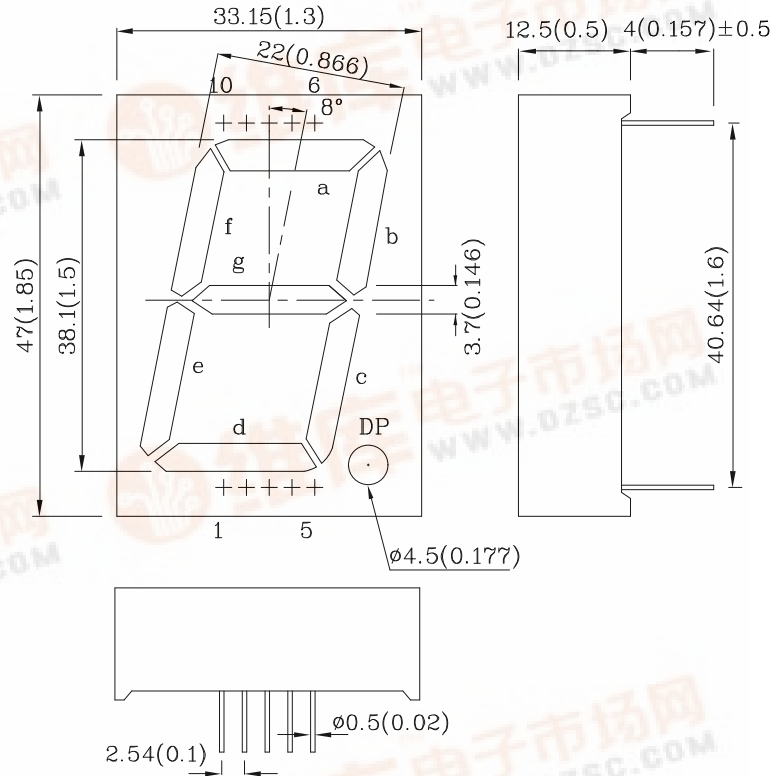
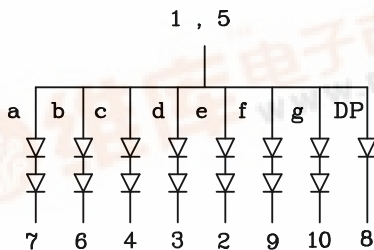


Part Number: **DUG38A**

38.1mm (1.5") SINGLE DIGIT NUMERIC DISPLAY

Features

- 1.5 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.



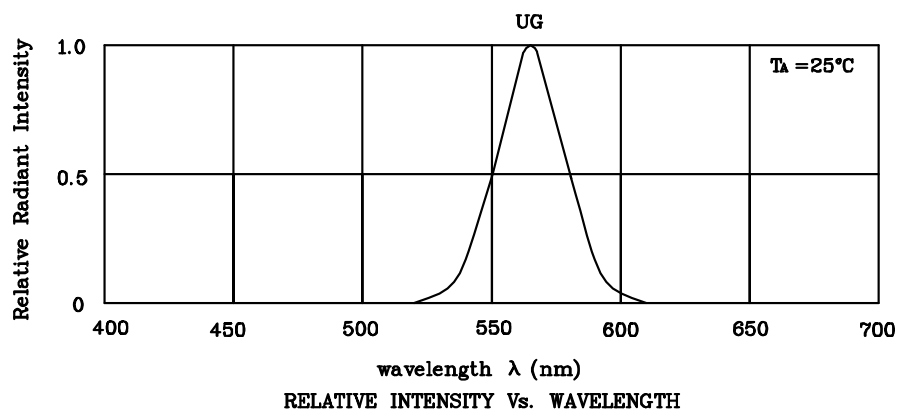
Notes:

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.

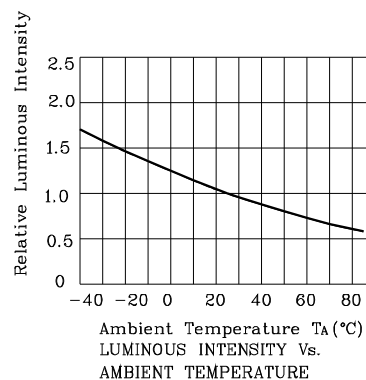
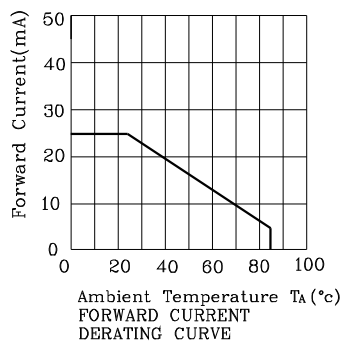
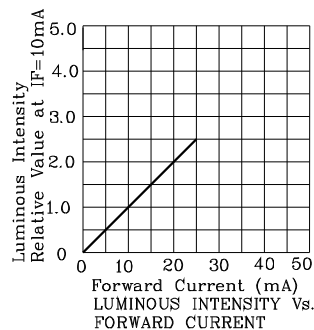
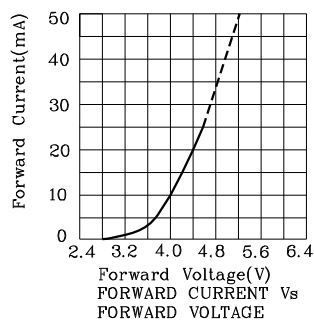
Absolute Maximum Ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage Per Segment or (Dp)	VR	10(5)	V
Forward Current Per Segment or (Dp)	IF	25(25)	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width Per Segment or (Dp)	iFS	140(140)	mA
Power Dissipation Per Segment or (Dp)	PT	125(62.5)	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

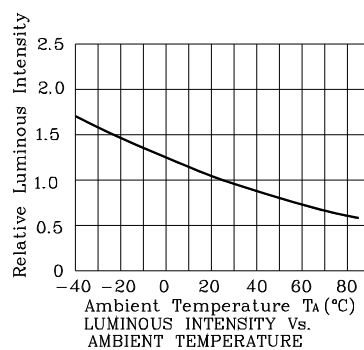
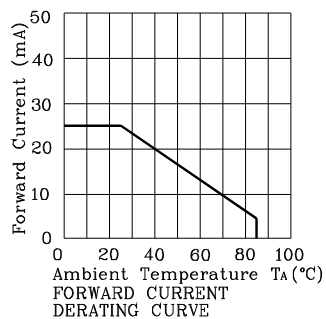
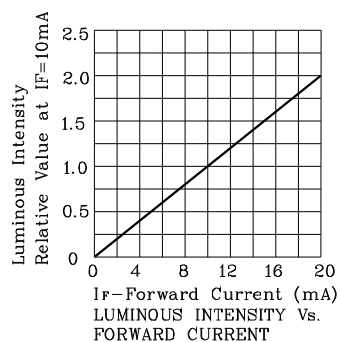
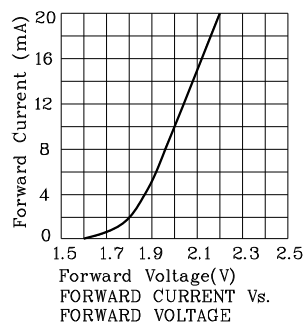
Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) (IF=10mA) Per Segment or (Dp)	VF	4.0(2.0)	V
Forward Voltage (Max.) (IF=10mA) Per Segment or (Dp)	VF	5.0(2.5)	V
Reverse Current(Max.) (VR=10V(5V)) Per Segment or (Dp)	IR	10 (10)	uA
Wavelength of Peak Emission (Typ.) (IF=10mA)	λ 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.		
DUG38A	Green	GaP	4700	23990	565	Common Anode, Rt. Hand Decimal

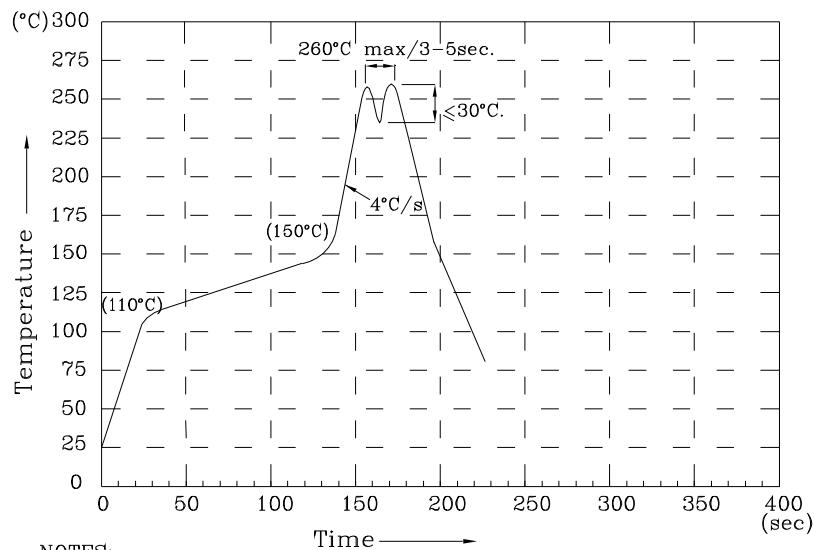


❖ **UG**





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:

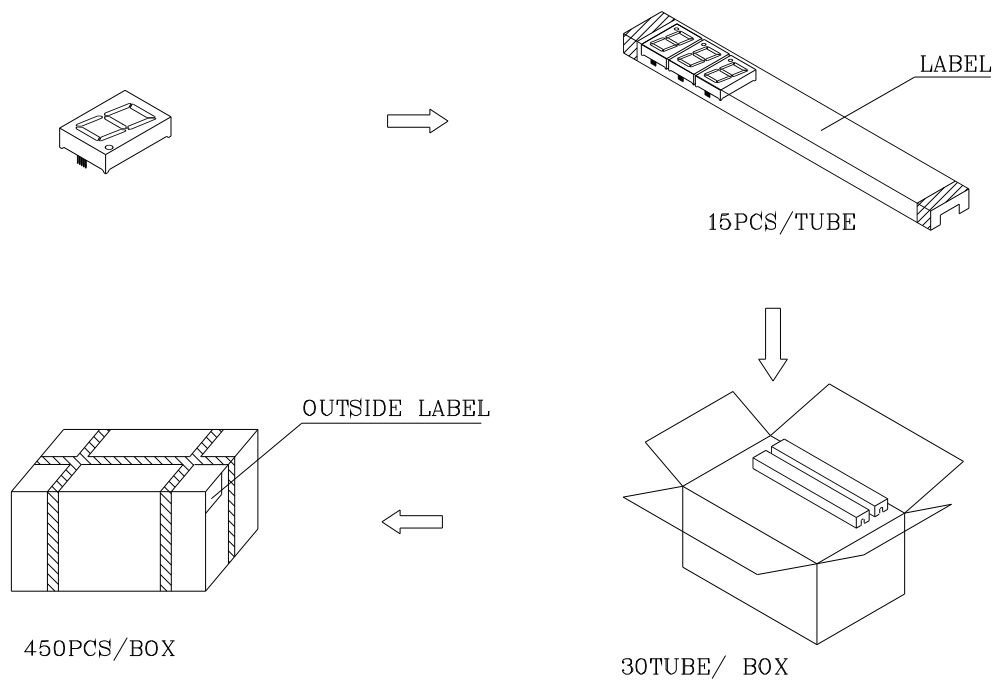
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

DUG38A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx38x	Q.C.
QTY: 15 PCS	CODE: xx	PASSED XX XX XX FQCX
XXXXXXXXXX-XXXX	RoHS Compliant	Date Number OF FQC
LOT NO.		

Outside LABEL Paste On The Box

BOX Number	xxxx	xxxx	BIN CODE
Dxx38x	450	XX	
			Number OF QA
			Date

QAX
xx xx xx
PASSED