

Part Number: **DUG20A-1**

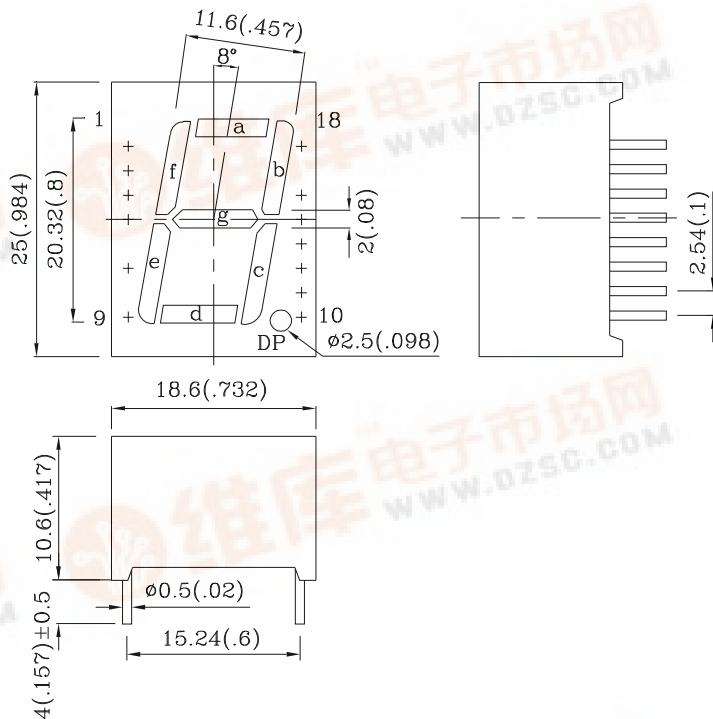
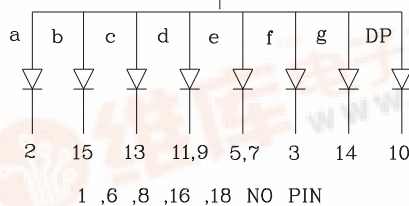
20.32mm (0.8") SINGLE DIGIT NUMERIC DISPLAY

Features

- 0.8 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.



4,12,17



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	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		

Operating Characteristics ($T_A=25^\circ\text{C}$)		UG (GaP)	Unit
Forward Voltage (Typ.) ($I_F=10\text{mA}$)	V_F	2.0	V
Forward Voltage (Max.) ($I_F=10\text{mA}$)	V_F	2.5	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	μA
Wavelength Of Peak Emission (Typ.) ($I_F=10\text{mA}$)	λ_P	565	nm
Wavelength Of Dominant Emission (Typ.) ($I_F=10\text{mA}$)	λ_D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=10\text{mA}$)	$\Delta\lambda$	30	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity ($I_F=10\text{mA}$) ucd	Wavelength nm λ_P	Description
			min.	typ.	

DUG20A-1

Green

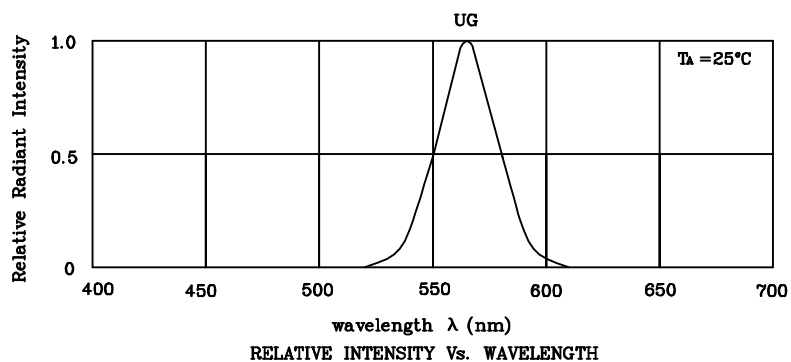
GaP

3000

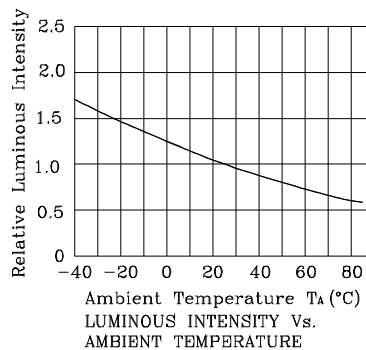
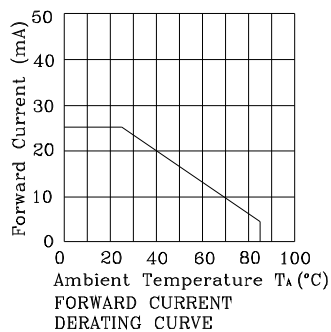
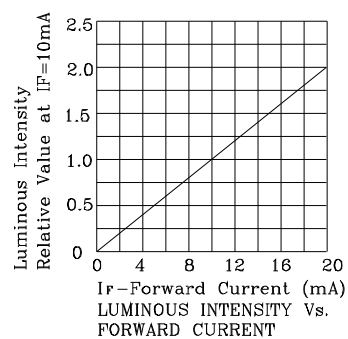
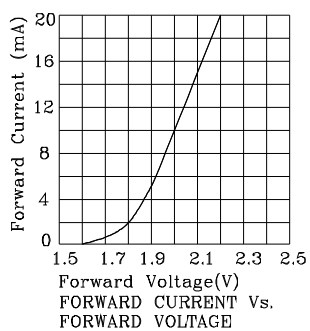
15990

565

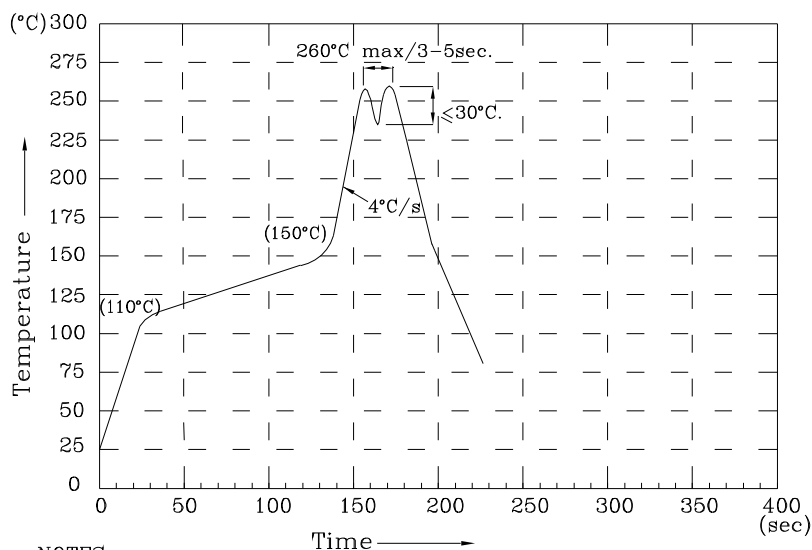
Common Anode, Rt. Hand Decimal



❖ **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:

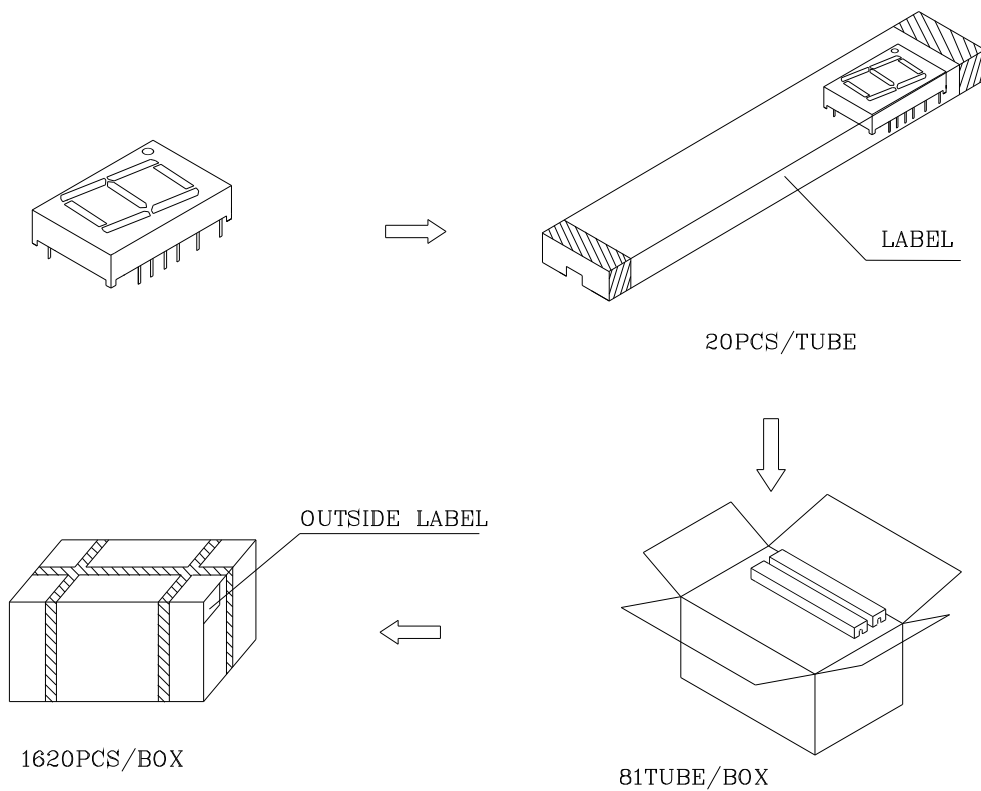
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

DUG20A-1



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Dxx20x-1	Q.C.
QTY: 20 PCS	CODE: xx	PASSED XX XX XX FQC
XXXXXXXX-XXXX		Lotis Compliant
LOT NO.		Date
		Number OF FQC

Outside LABEL Paste On The Box

BOX Number	xxxx	xxxx	BIN CODE
Dxx20x-1	1620	XX	
			Number OF QA
			Date
QA XX XX XX PASSED			