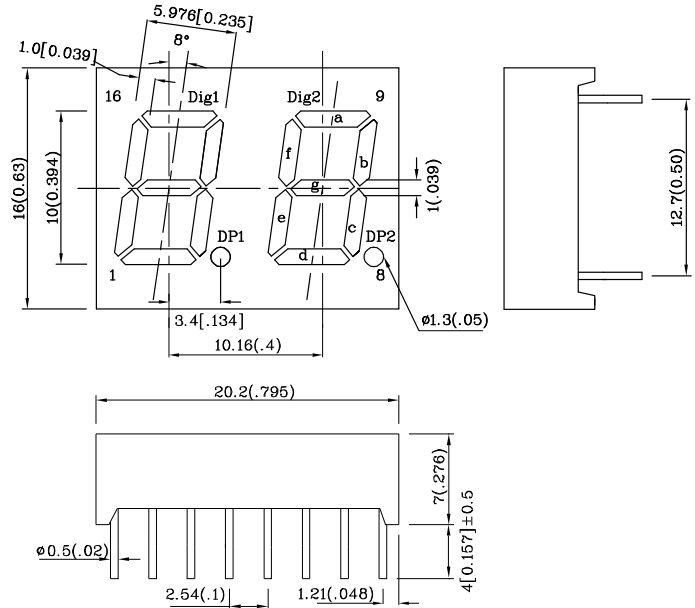
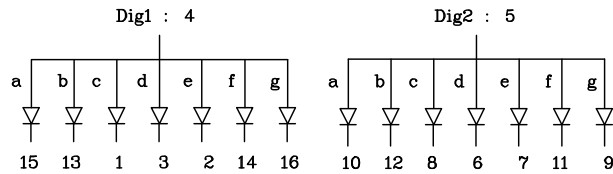


**Features**

- 0.4 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- TWO DIGIT PACKAGE SIMPLIFIES ALIGNMENTS & ASSEMBLY.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY, YELLOW AND GREEN CATEGORIZED FOR COLOR.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



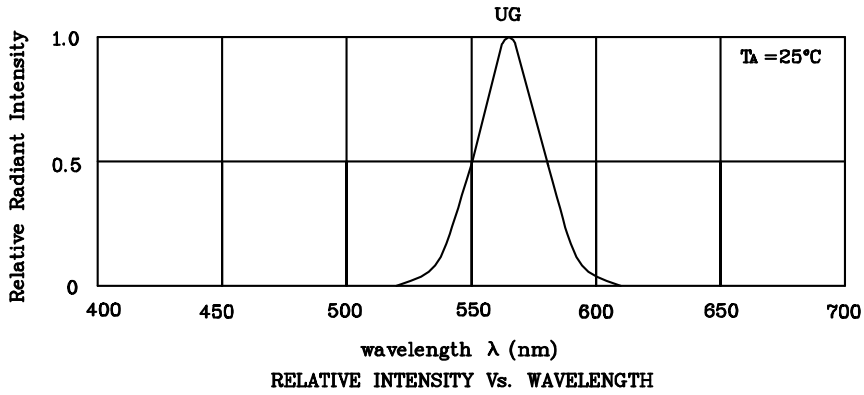
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.

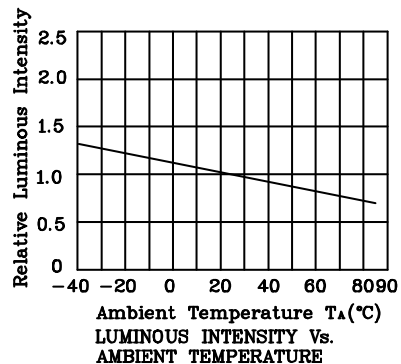
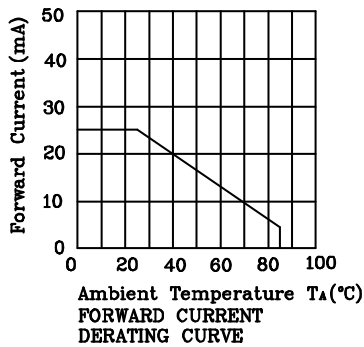
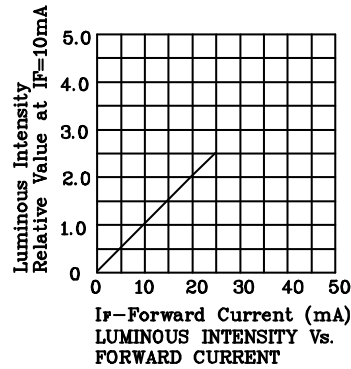
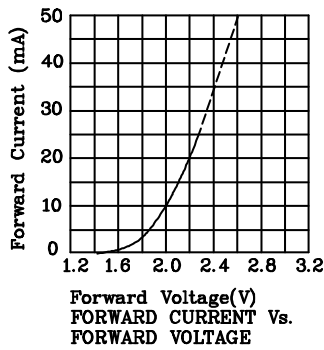
Absolute Maximum Ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Current	I <sub>F</sub>	25	mA
Forward Current (peak) 1/10Duty Cycle 0.1ms Pulse Width	i <sub>FS</sub>	140	mA
Power Dissipation	P <sub>T</sub>	105	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	
Lead Solder Temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (typ.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.0	V
Forward Voltage (max.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.5	V
Reverse Current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength of Peak Emission (I <sub>F</sub> =10mA)	λ P	565	nm
Wavelength of Dominant Emission (I <sub>F</sub> =10mA)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (I <sub>F</sub> =10mA)	Δλ	30	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (I <sub>F</sub> =10mA) ucd	Wavelength nm λ P	Description
			min.	typ.	
XDUG10A2	Green	GaP	1900	7990	565 Common Anode



❖ 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, or wavelength), the typical accuracy of the sorting process is as follows:

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

Note: Accuracy may depend on the sorting parameters.