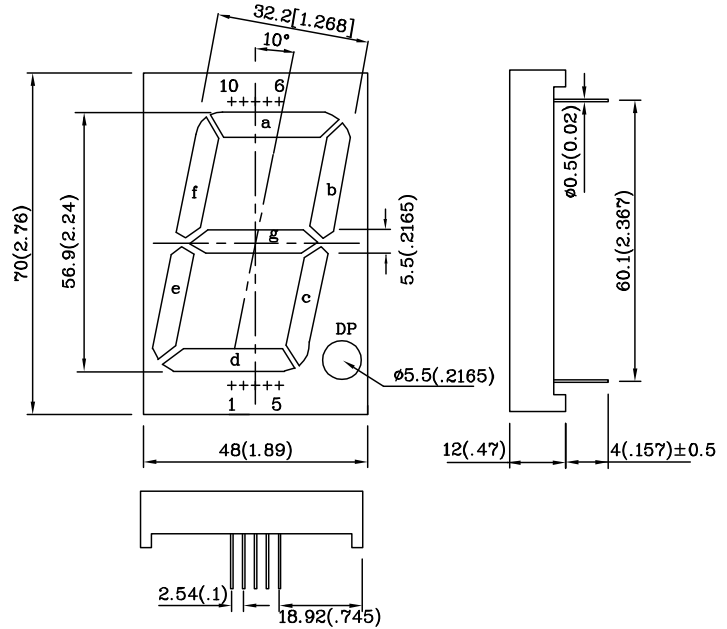
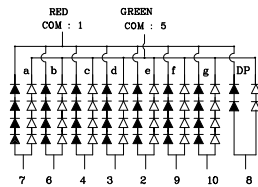


Features

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



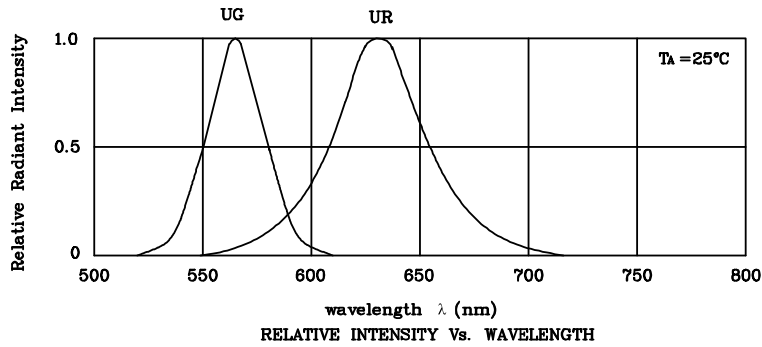
Notes:

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

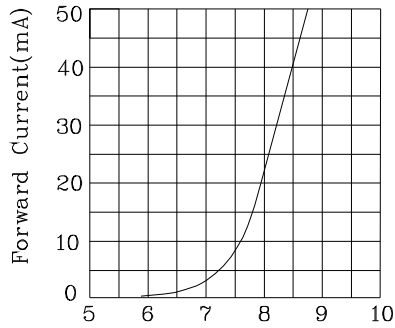
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		UR (GaAsP /GaP)	UG (GaP)	Unit
Reverse Voltage Per Segment or (Dp and Comma)	V _R	20(10)	20(10)	V
Forward Current Per Segment or (Dp and Comma)	I _F	30(30)	25(25)	mA
Forward Current (peak) Per Segment or (Dp and Comma) 1/10Duty Cycle 0.1ms Pulse Width	i _{FS}	160	140	mA
Power Dissipation Per Segment or (Dp and Comma)	P _T	300 (150)	250 (125)	mW
Operating Temperature	T _A	-40 ~ +85		°C
Storage Temperature	T _{stg}	-40 ~ +85		
Lead Solder Temperature [2mm below package base]	260°C For 5 Seconds			

Operating Characteristics ($T_A=25^\circ\text{C}$)		UR (GaAsP /GaP)	UG (GaP)	Unit
Forward Voltage (typ.) Per Segment or (Dp and Comma) (I _F =10mA)	V _F	7.6 (3.8)	8.0 (4.0)	V
Forward Voltage (max.) Per Segment or (Dp and Comma) (I _F =10mA)	V _F	10.0 (5.0)	10.0 (5.0)	V
Reverse Current Per Segment or (Dp and Comma) (V _R =5V)	I _R	10	10	uA
Wavelength of Peak Emission (I _F =10mA)	λ_P	627	565	nm
Wavelength of Dominant Emission (I _F =10mA)	λ_D	625	568	nm
Spectral Line Full Width At Half-Maximum (I _F =10mA)	$\Delta\lambda$	45	30	nm
Capacitance (V _F =0V, f=1MHz)	C	15	15	pF

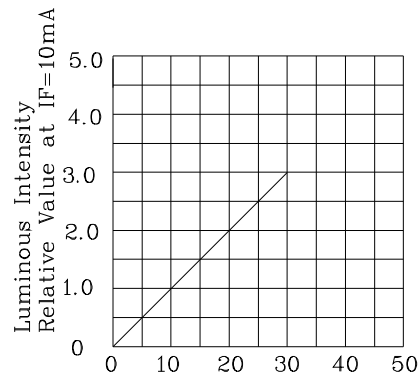
Part Number	Emitting Color	Emitting Material	Luminous Intensity (I _F =10mA) ucd		Wavelength nm λ_P	Description
			min.	typ.		
XDURG57C-A	Red	GaAsP/GaP	4700	17990	627	Common Cathode, Rt. Hand Decimal
	Green	GaP	4700	23990	565	



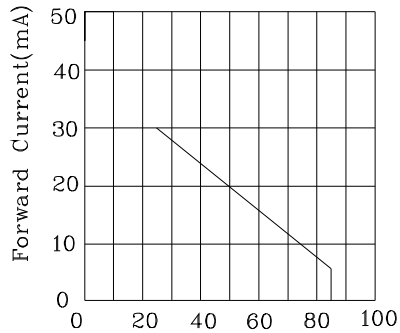
❖ UR



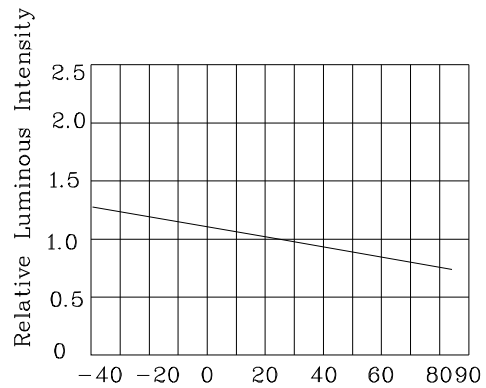
Forward Voltage(V)
FORWARD CURRENT Vs
FORWARD VOLTAGE



IF-Forward Current (mA)
LUMINOUS INTENSITY Vs.
FORWARD CURRENT

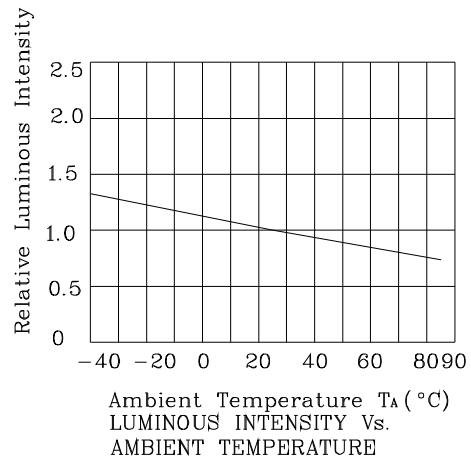
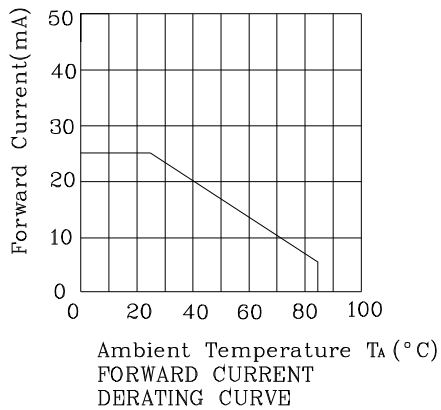
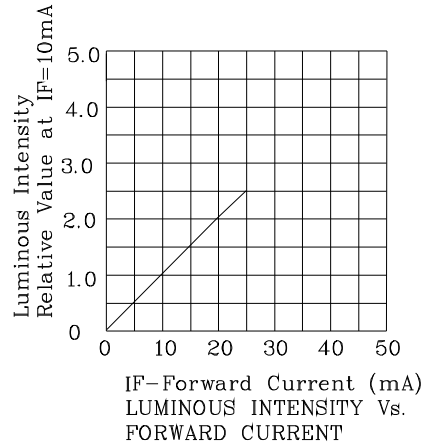
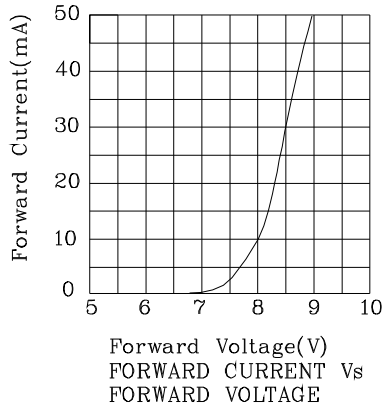


Ambient Temperature T_{λ} ($^{\circ}\text{C}$)
FORWARD CURRENT
DERATING CURVE

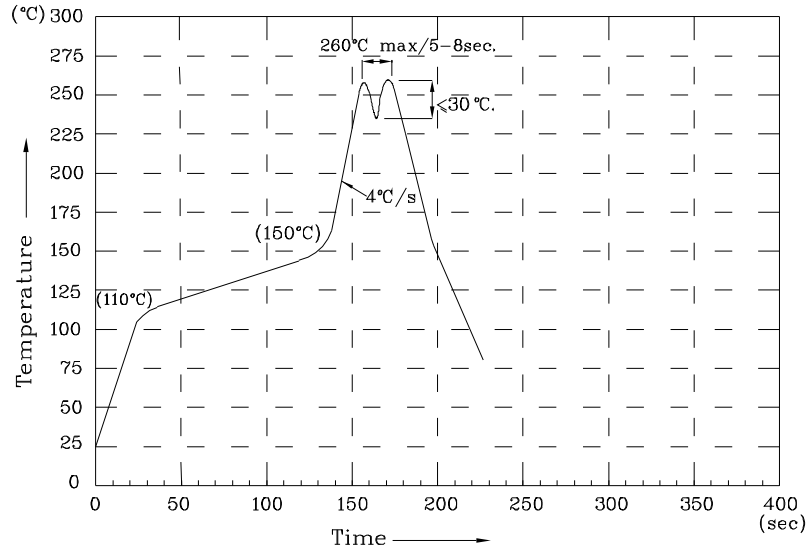


Ambient Temperature T_{λ} ($^{\circ}\text{C}$)
LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

❖ 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.