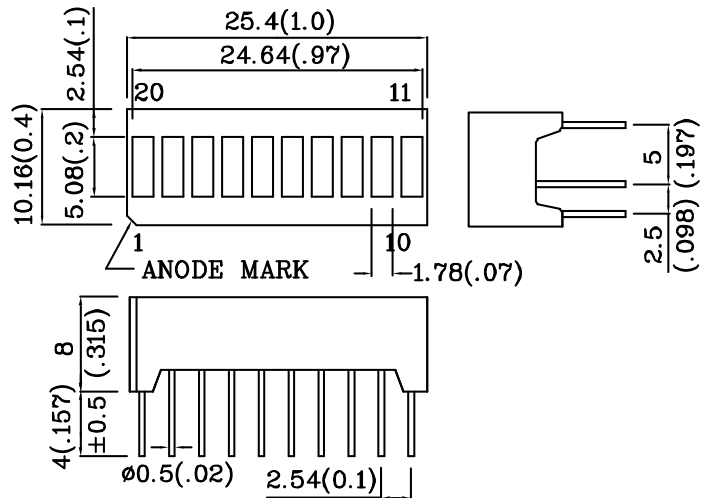
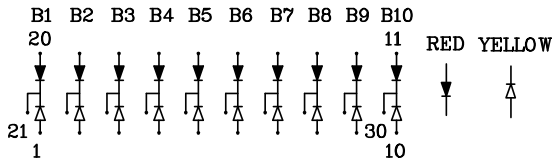


**Features**

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- BI-COLOR VERSION AVAILABLE.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



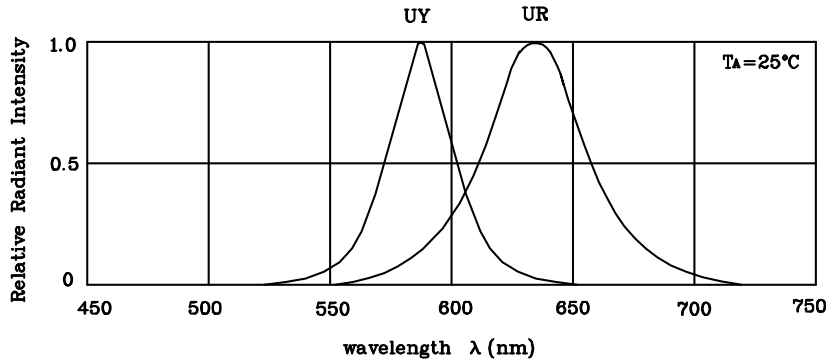
Notes:

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)	UY (GaAsP /GaP)	Unit
Reverse Voltage	$V_R$	5	5	V
Forward Current	$I_F$	30	30	mA
Forward Current (peak) 1/10Duty Cycle 0.1ms Pulse Width	$i_{FS}$	160	140	mA
Power Dissipation	$P_T$	105	105	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			

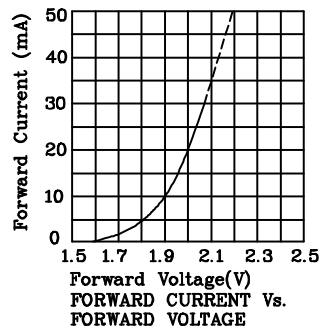
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UR (GaAsP/ GaP)	UY (GaAsP/ GaP)	Unit
Forward Voltage (typ.) ( $I_F=10\text{mA}$ )	$V_F$	1.9	1.95	V
Forward Voltage (max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	2.5	V
Reverse Current ( $V_R=5\text{V}$ )	$I_R$	10	10	$\mu\text{A}$
Wavelength of Peak Emission ( $I_F=10\text{mA}$ )	$\lambda_P$	627	590	nm
Wavelength of Dominant Emission ( $I_F=10\text{mA}$ )	$\lambda_D$	625	588	nm
Spectral Line Full Width At Half-Maximum ( $I_F=10\text{mA}$ )	$\Delta\lambda$	45	35	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	$C$	15	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity ( $I_F=10\text{mA}$ ) ucd		Wavelength nm $\lambda_P$	Description
			min.	typ.		
XGURUYX10D	Red	GaAsP/GaP	1900	8990	627	10 Segments Bargraph-Display
	Yellow	GaAsP/GaP	1900	8990		

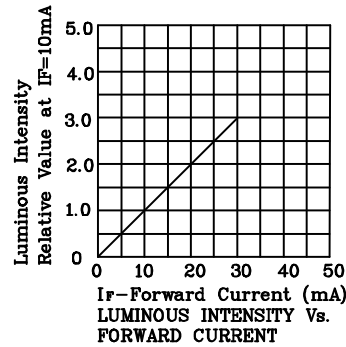


RELATIVE INTENSITY Vs. WAVELENGTH

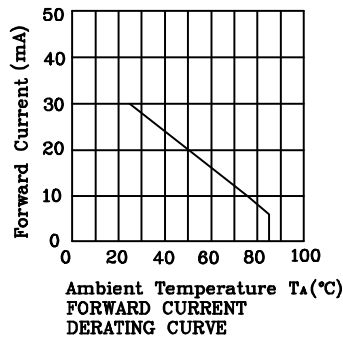
❖ UR



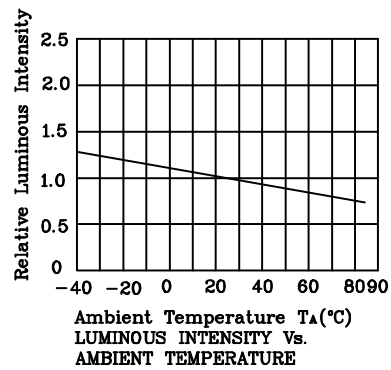
FORWARD CURRENT Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY Vs. FORWARD CURRENT

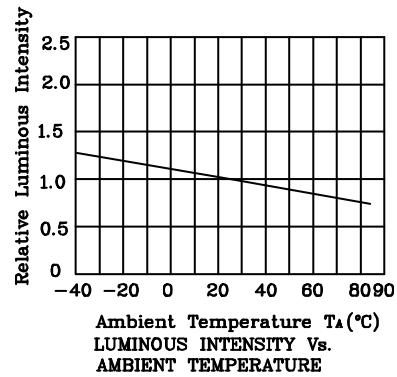
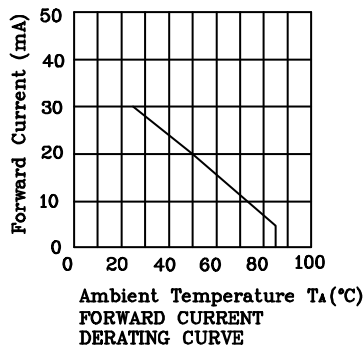
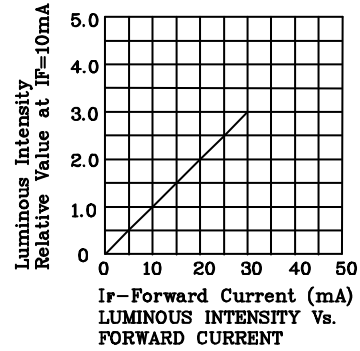
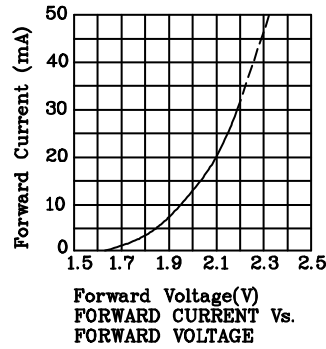


FORWARD CURRENT DERATING CURVE

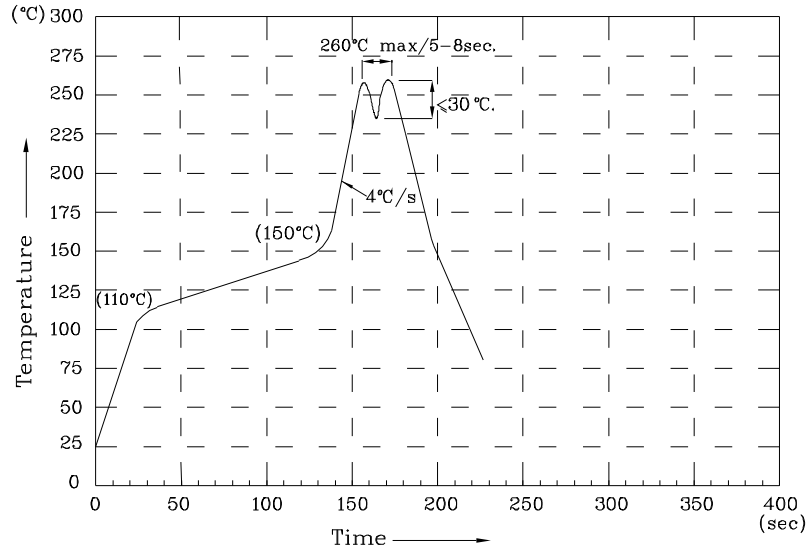


LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE

❖ UY



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.