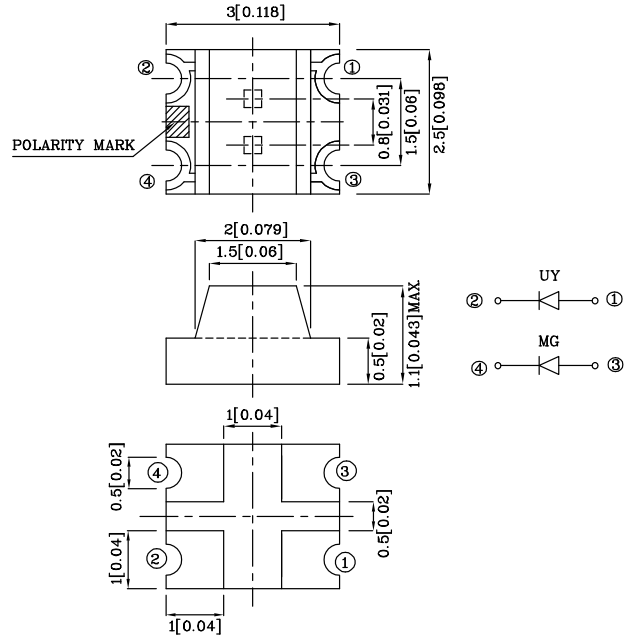


**Features**

- 3.0mmx2.5mm SMT LED, 1.1mm THICKNESS.
- BI-COLOR,LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE : 2000PCS / REEL.

Notes:

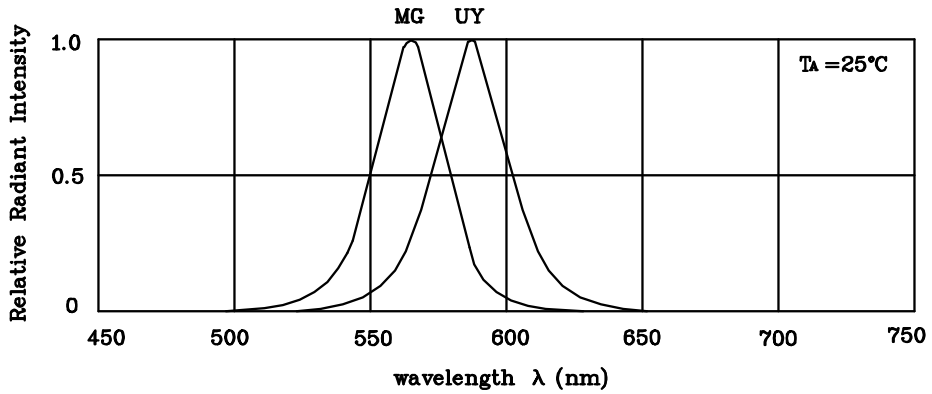
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.2(0.008)$ " unless otherwise noted.



Absolute maximum ratings (TA=25°C)		UY (GaAsP/ GaP)	MG (GaP)	Unit
Reverse voltage	V <sub>R</sub>	5	5	V
Forward current	I <sub>F</sub>	30	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i <sub>FS</sub>	140	140	mA
Power dissipation	P <sub>T</sub>	105	105	mW
Operating temperature	T <sub>A</sub>	-40 ~ +85		°C
Storage temperature	T <sub>stg</sub>	-40 ~ +85		

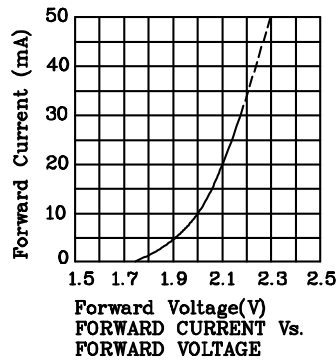
Operating Characteristics (TA=25°C)		UY (GaAsP /GaP)	MG (GaP)	Unit
Forward voltage (typ.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2.1	2.2	V
Forward voltage (max.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2.5	2.5	V
Reverse current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	10	uA
Wavelength at peak emission (I <sub>F</sub> =20mA)	λ peak	590	565	nm
Wavelength at Dominate emission (I <sub>F</sub> =20mA)	λ D	588	568	nm
Spectral Line half-width (I <sub>F</sub> =20mA)	Δλ	35	30	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	20	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I <sub>F</sub> =20mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XZUYMG57W	Yellow	GaAsP/GaP	Water Clear	2.6	7	590	120°
	Green	GaP		2.6	11		

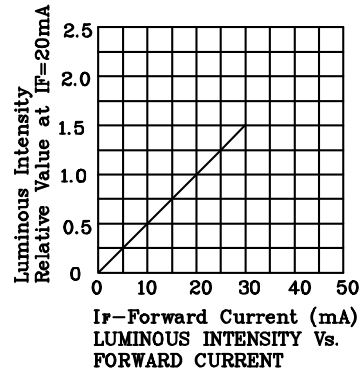


RELATIVE INTENSITY Vs. WAVELENGTH

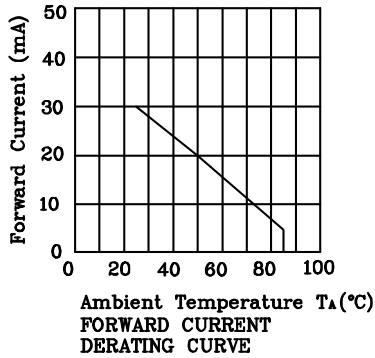
❖ UY



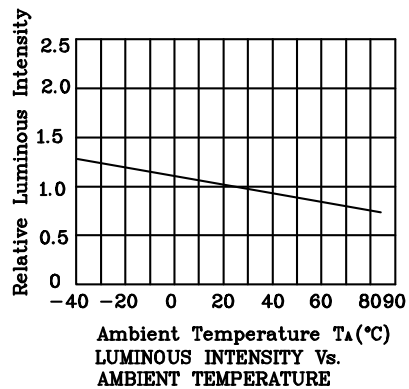
FORWARD CURRENT Vs. FORWARD VOLTAGE



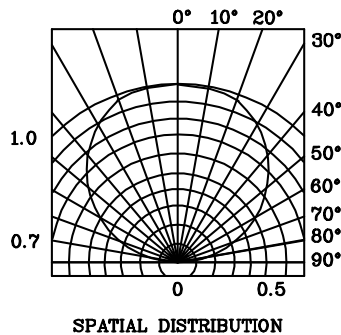
LUMINOUS INTENSITY Vs. FORWARD CURRENT



FORWARD CURRENT DERATING CURVE

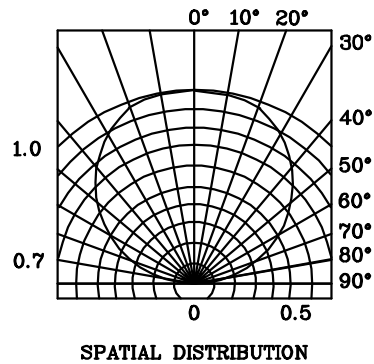
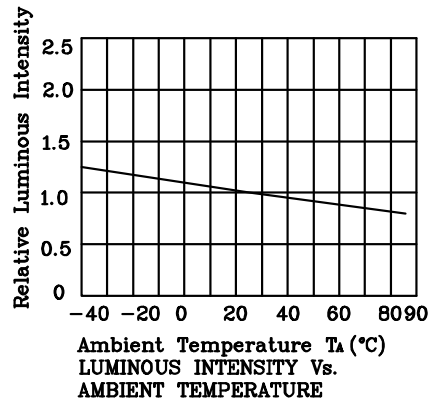
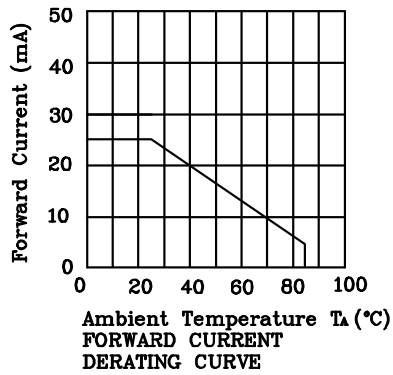
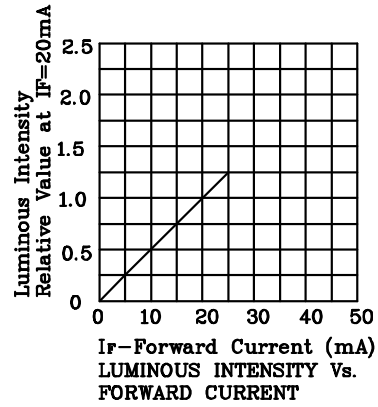
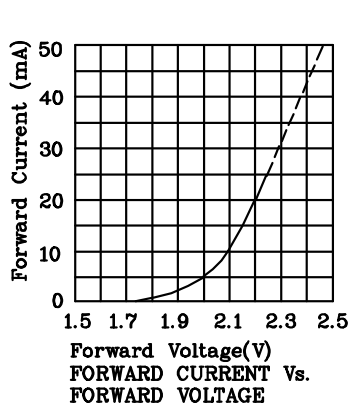


LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE

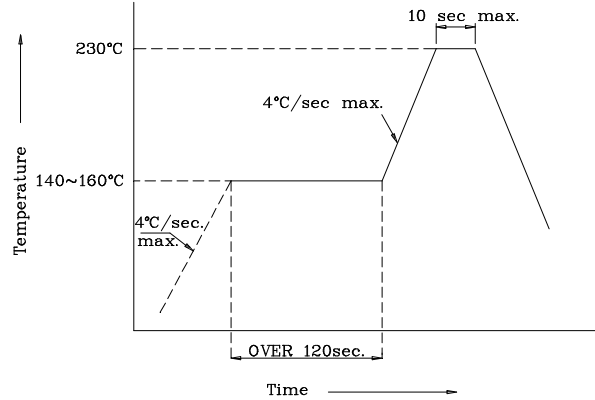


SPATIAL DISTRIBUTION

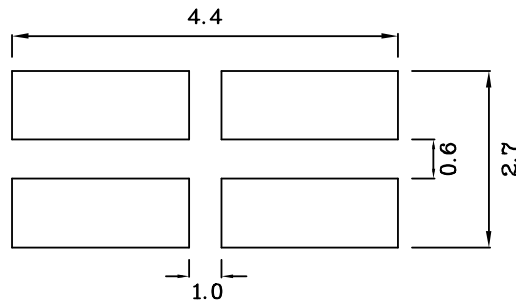
❖ MG



❖ SMT Reflow Soldering Instructions



❖ Recommended Soldering Pattern (Units : mm; Tolerance: ± 0.1)



❖ Tape Specification (Units : mm)

