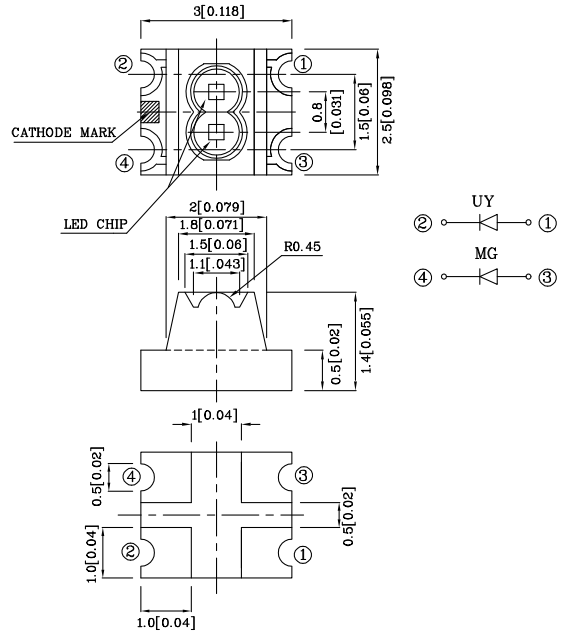


Features

- 3.0mmx2.5mm SMT LED, 1.4mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- INNER LENS TYPE.
- PACKAGE : 2000PCS / REEL.



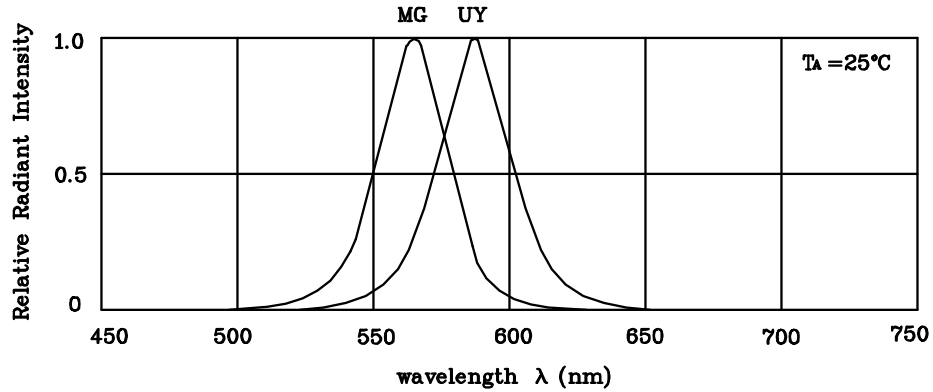
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.0079)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		UY (GaAsP/ GaP)	MG (GaP)	Unit
Reverse voltage	V_R	5	5	V
Forward current	I_F	30	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	140	140	mA
Power dissipation	P_T	105	105	mW
Operating temperature	T_A	-40 ~ +85		°C
Storage temperature	T_{stg}	-40 ~ +85		

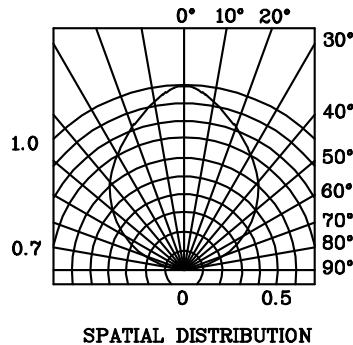
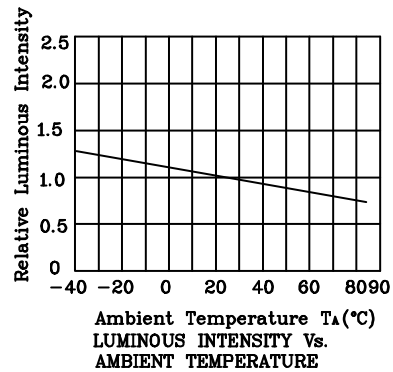
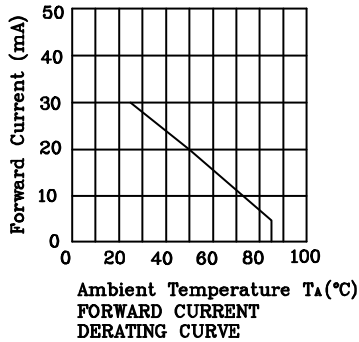
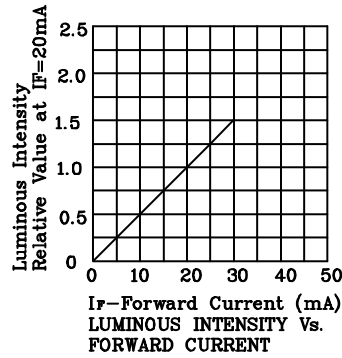
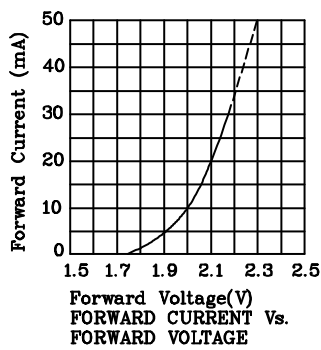
Operating Characteristics ($T_A=25^\circ\text{C}$)		UY (GaAsP /GaP)	MG (GaP)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	2.1	2.2	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	2.5	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	590	565	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	588	568	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	35	30	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	20	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle 2θ 1/2
				min.	typ.		
XZUYMG57W-1	Yellow	GaAsP/GaP	Water Clear	4	14	590	100°
	Green	GaP		7	19	565	

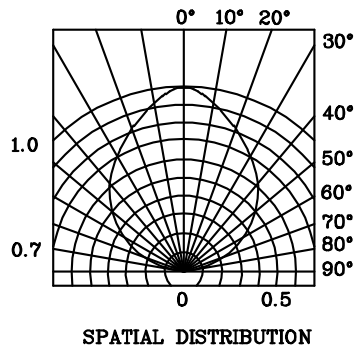
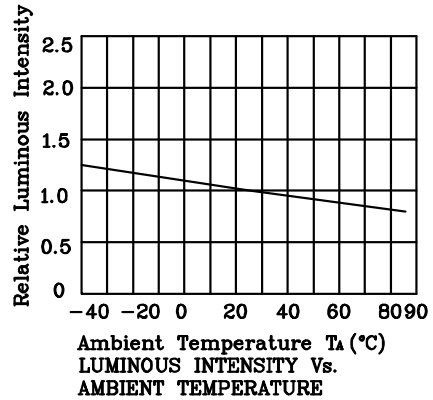
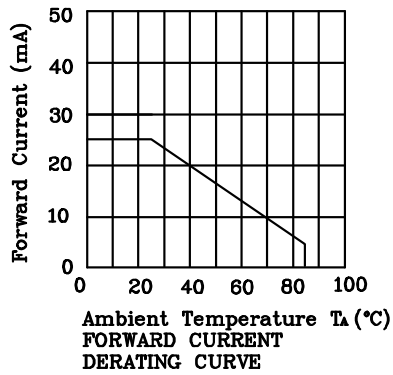
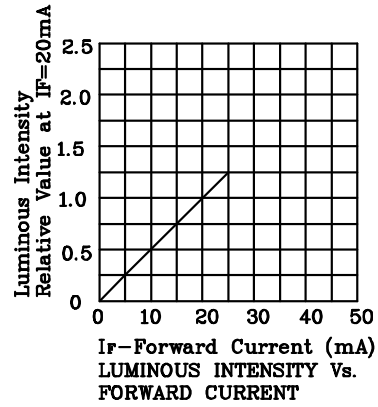
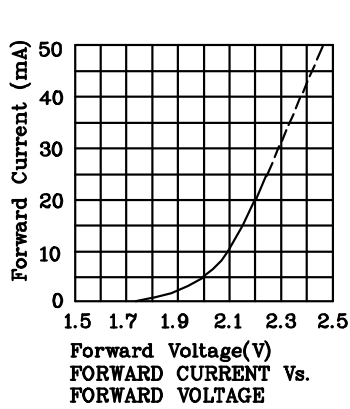


RELATIVE INTENSITY Vs. WAVELENGTH

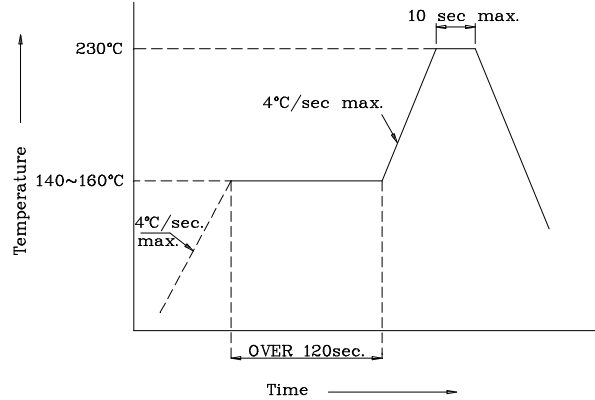
◆ UY



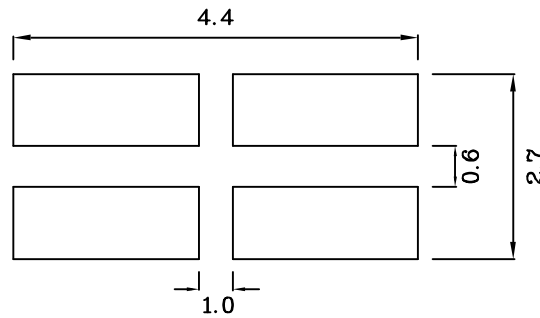
❖ MG



❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)

