

3.2mmx3.6mm FULL-COLOR SURFACE MOUNT LED LAMP

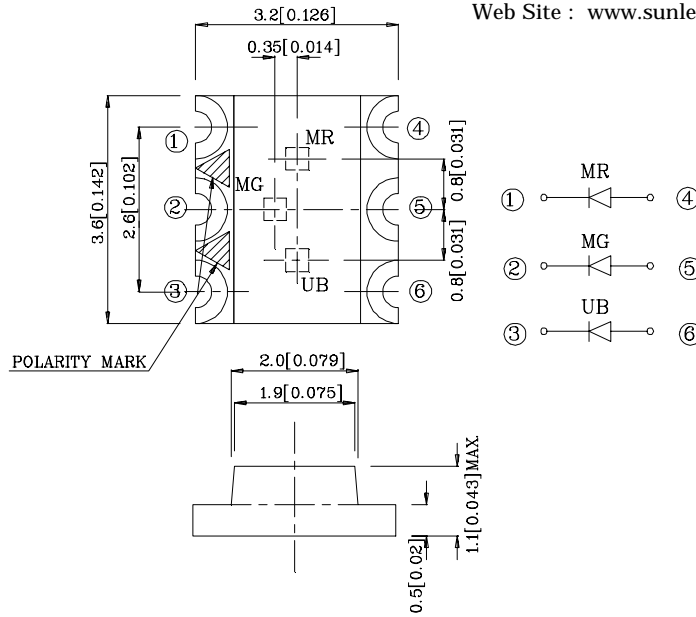


SUN LED

Email : sales@us.sunled.com

Web Site : www.sunled.com

XZMRMGUB61WA



Notes:

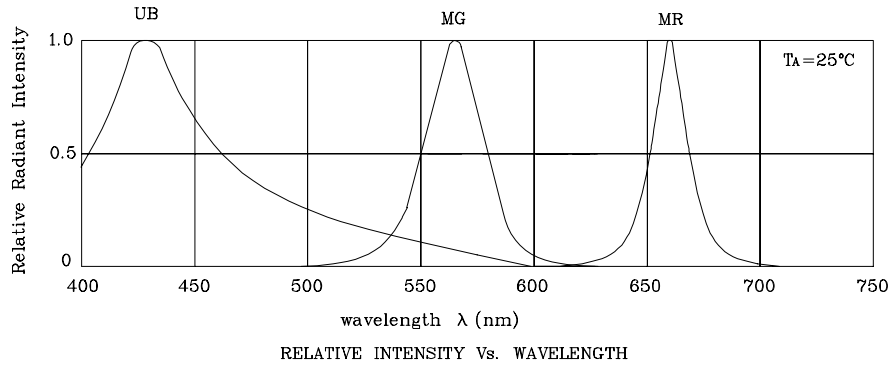
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.0079)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	MG (GaP)	UB (GaN)	Unit
Reverse voltage	V_R	5	5	5	V
Forward current	I_F	30	25	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i_{FS}	155	140	150	mA
Power dissipation	P_T	100	105	105	mW
Operating temperature	T_A	-40 ~ +85			$^\circ\text{C}$
Storage temperature	T_{stg}				

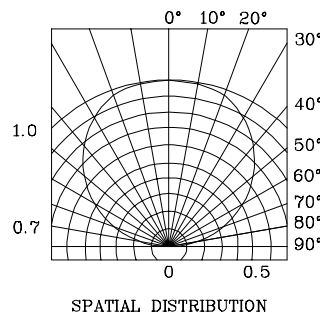
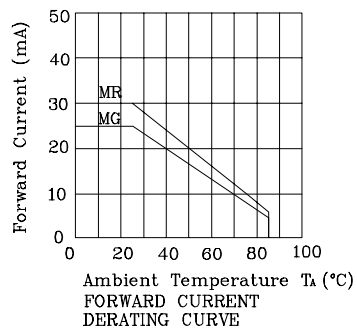
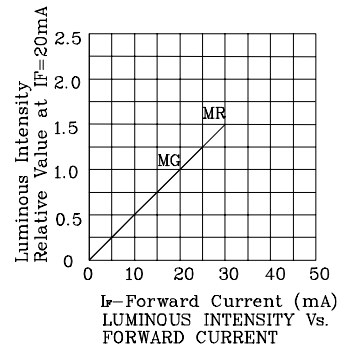
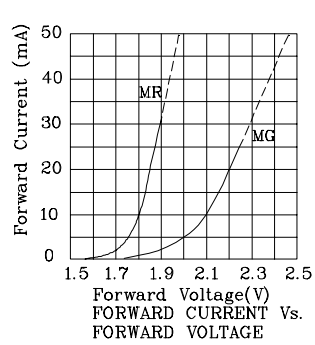
Operating Characteristics ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	MG (GaP)	UB (GaN)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	1.85	2.2	3.8	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	2.5	2.5	4.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	10	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	660	565	430	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	640	568	466	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	20	30	60	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	45	15	100	pF

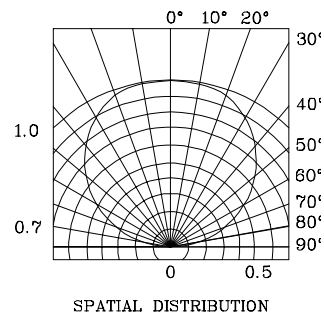
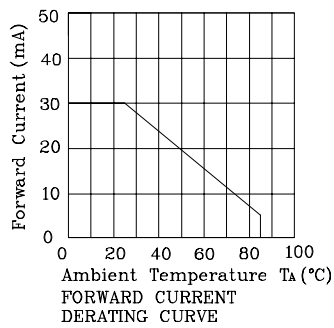
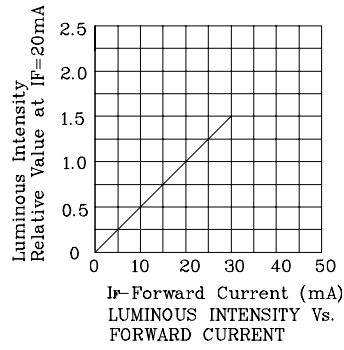
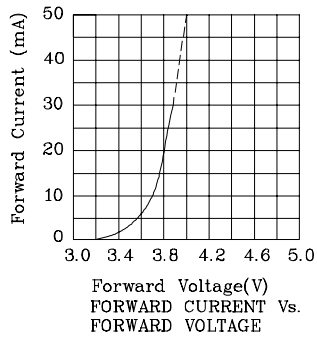
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XZMRMGUB61WA	Red	GaAlAs	Water Clear	36	68	660	120°
	Green	GaP		2.6	11	565	
	Blue	GaN		1.6	7	430	

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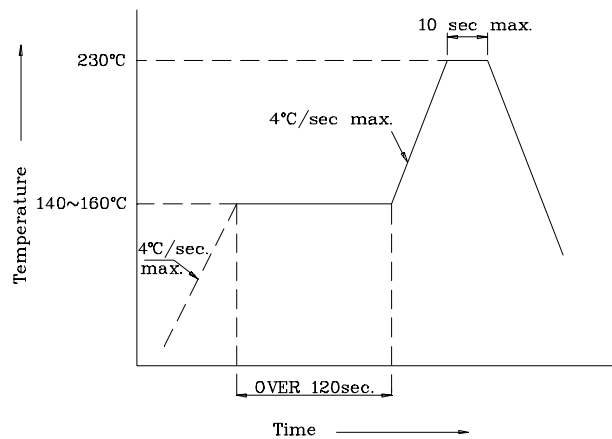
◆MR/MG



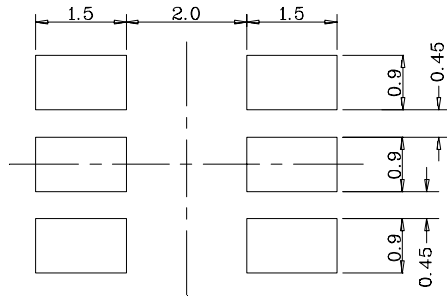


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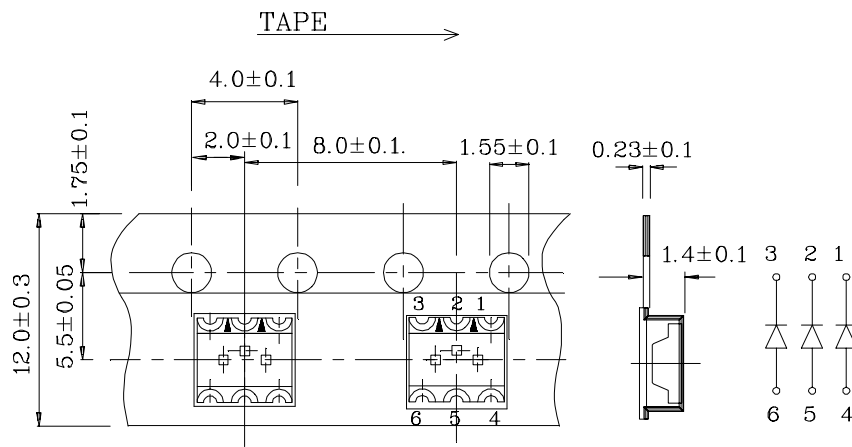
◆SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)



PACKAGE : 1000PCS / REEL.