

10mm ROUND LED LAMP

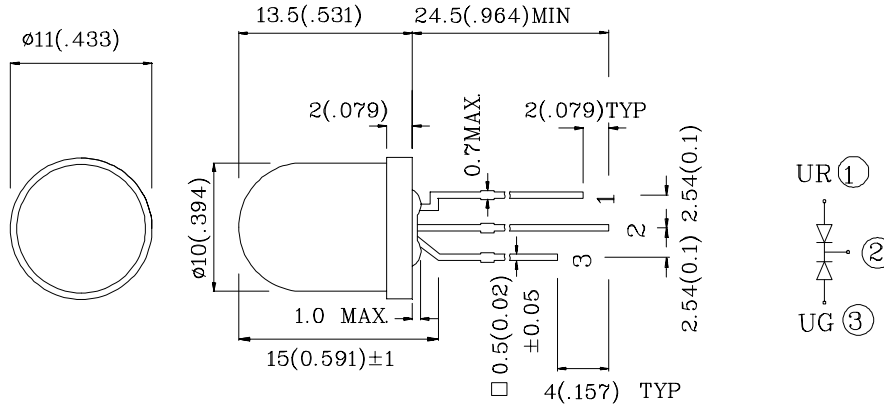


SUN LED

XLUGR02M

Email : sales@us.sunled.com

Web Site : www.sunled.com



Notes:

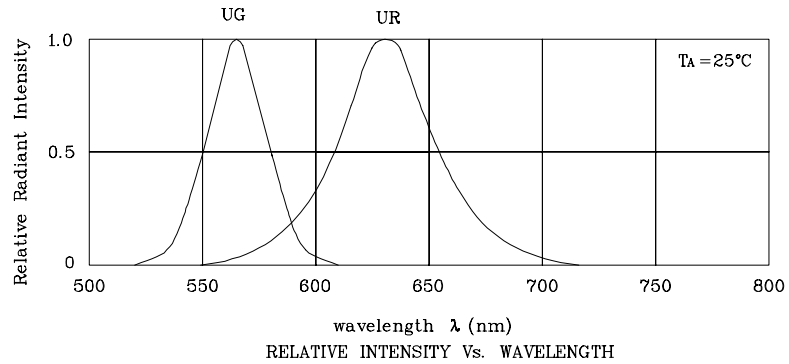
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		UR (GaAsP/GaP)	UG (GaP)	Unit
Reverse voltage	V_R	5	5	V
Forward current	I_F	30	25	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	-40 ~ +85	°C
Storage temperature	T_{stg}	-40 ~ +85	-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.) ($I_F=20\text{mA}$)	V_F	2.0	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	uA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	627	565	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	625	568	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	45	30	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	15	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.		
XLUGR02M	Red	GaAsP/GaP	White Diffused	30	75	627	50°
	Green	GaP		20	45	565	

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◆UG/UR

