

# T-1(3mm) BI-COLOR LED LAMP

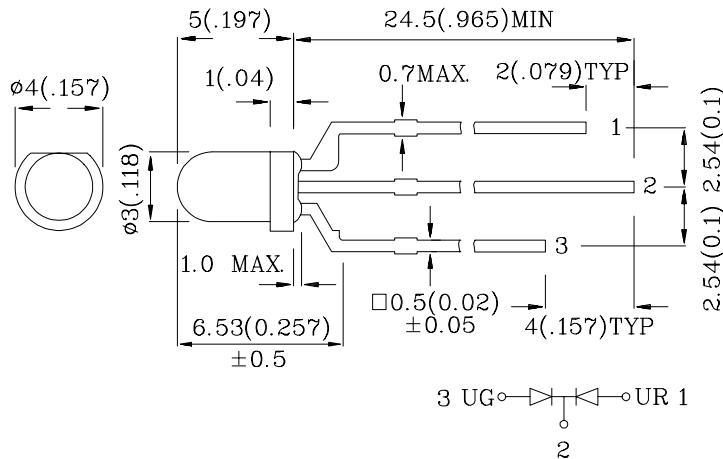


# SUN LED

XLUGR34M

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- 1 ANODE RED
- 2 COMMON CATHODE
- 3 ANODE GREEN

**Notes:**

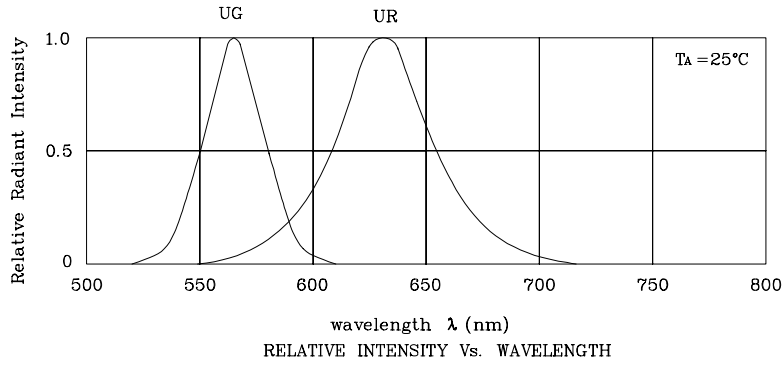
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.

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	$\mu\text{A}$
Wavelength at peak emission ( $I_F=20\text{mA}$ )	$\lambda_{peak}$	627	565	nm
Wavelength at Dominate emission ( $I_F=20\text{mA}$ )	$\lambda_D$	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 $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XLUGR34M	Red	GaAsP/GaP	White Diffused	12	39	627	60°
	Green	GaP		12	34	565	

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## ◆UR/UG

