

T-1 3/4 (5mm) BI-COLOR INDICATOR LAMP

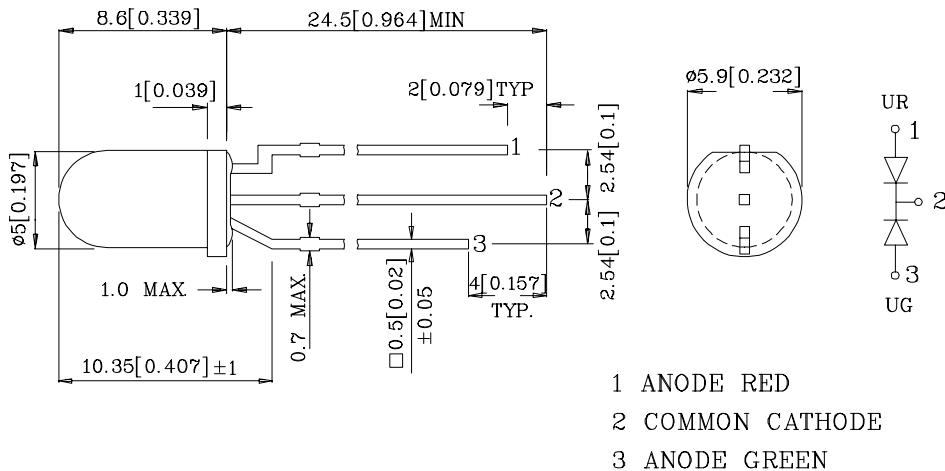


SUN LED

XLUGR59W

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

Notes:

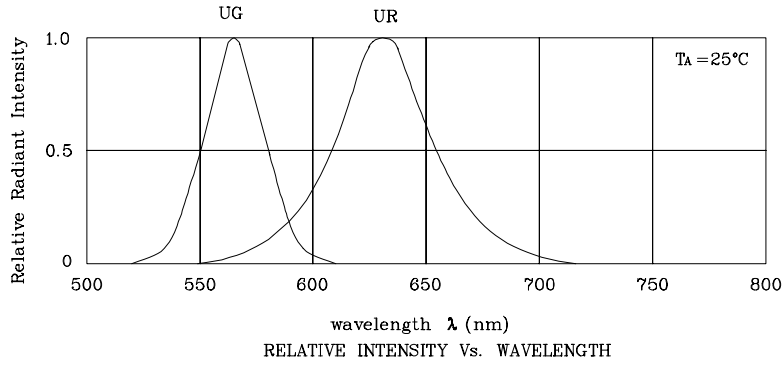
- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.

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	μA
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 θ /2
				min.	typ.		
XLUGR59W	Red	GaAsP/GaP	Water Clear	70	148	627	24°
	Green	GaP		70	148	565	

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◆UR/UG

