

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

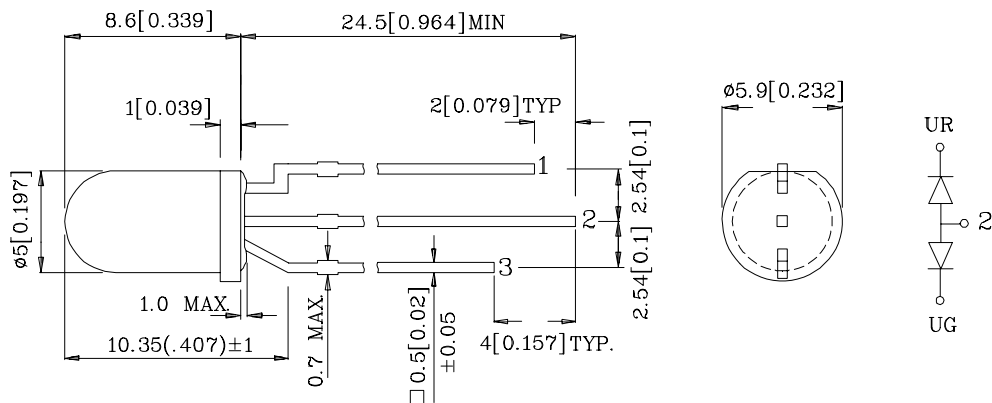
XLUGR59MCA



SUN LED

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- 1 CATHODE RED
2 COMMON ANODE
3 CATHODE GREEN

Notes:

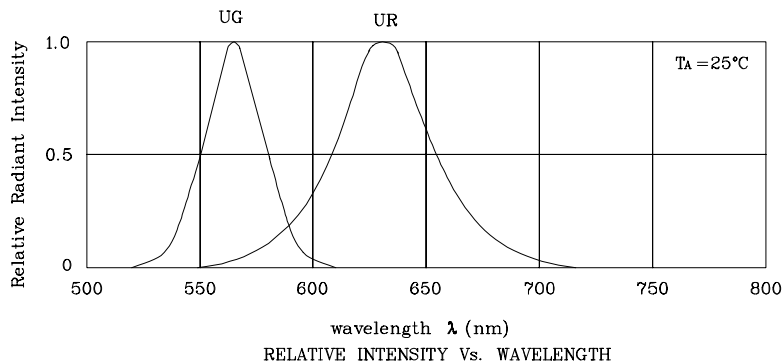
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings (T _A =25°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°C)		UR (GaAsP/GaP)	UG (GaP)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	2.0	2.2	V
Forward voltage (max.) (I _F =20mA)	V _F	2.5	2.5	V
Reverse current (V _R =5V)	I _R	10	10	uA
Wavelength at peak emission (I _F =20mA)	λ _{peak}	627	565	nm
Wavelength at Dominate emission (I _F =20mA)	λ _D	625	568	nm
Spectral Line half-width (I _F =20mA)	Δλ	45	30	nm
Capacitance (V _F =0V, f=1MHz)	C	15	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Wavelength nm λ _P	Viewing Angle 2θ1/2
				min.	typ.		
XLUGR59MCA	Red	GaAsP/GaP	White Diffused	3	4	627	60°
	Green	GaP		2	4	565	

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❖UR/UG

