

T-1 (3mm) SOLID STATE LAMP

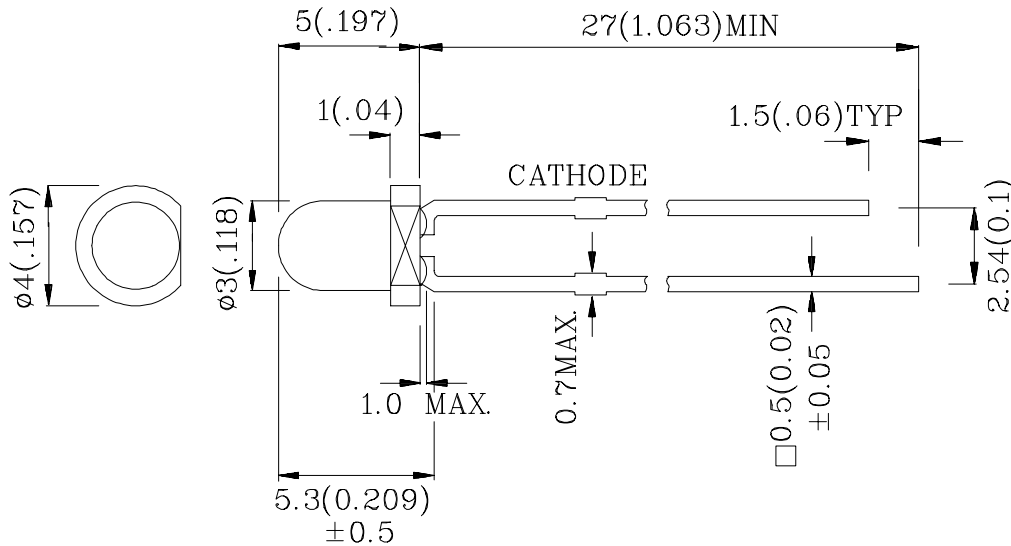
XLUS39C



SUN LED

Email : sales@us.sunled.com

Web Site : www.sunled.com



Notes:

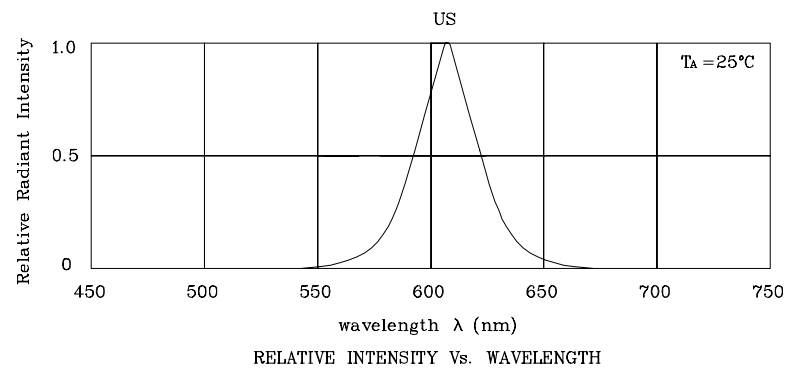
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		US (GaAsP/GaP)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	145	mA
Power dissipation	P _T	105	mW
Operating temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}		
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics ($T_A=25^\circ\text{C}$)		US (GaAsP/GaP)	Unit
Forward voltage (typ.) ($I_F=10\text{mA}$)	V_F	1.95	V
Forward voltage (max.) ($I_F=10\text{mA}$)	V_F	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=10\text{mA}$)	λ_{peak}	607	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_D	610	nm
Spectral Line half-width ($I_F=10\text{mA}$)	$\Delta\lambda$	35	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=10\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XLUS39C	Orange	GaAsP/GaP	Orange Transparent	20	48	607	50 $^\circ$

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