

## 5x5mm SQUARE TOP LED LAMP

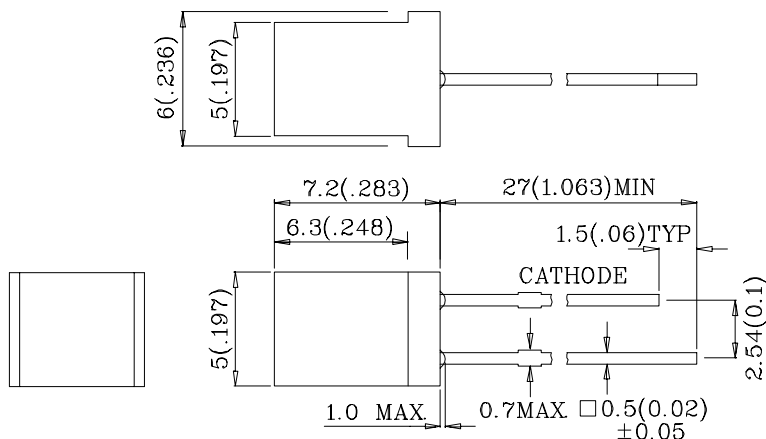


# SUN LED

XSUY23D

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### Notes:

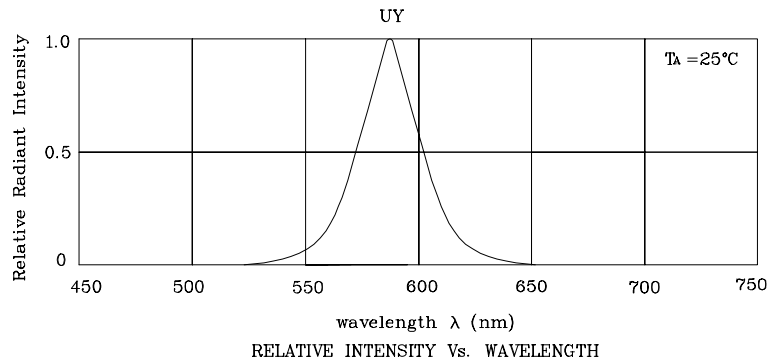
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

Absolute maximum ratings (T <sub>A</sub> =25°C)		UY (GaAsP/GaP)	Unit
Reverse voltage	V <sub>R</sub>	5	V
Forward current	I <sub>F</sub>	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i <sub>FS</sub>	140	mA
Power dissipation	P <sub>T</sub>	105	mW
Operating temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage temperature	T <sub>stg</sub>		
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		UY (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	$\mu\text{A}$
Wavelength at peak emission ( $I_F=10\text{mA}$ )	$\lambda_{\text{peak}}$	590	nm
Wavelength at Dominate emission ( $I_F=10\text{mA}$ )	$\lambda_D$	588	nm
Spectral Line half-width ( $I_F=10\text{mA}$ )	$\Delta\lambda$	35	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	$C$	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $I_F=10\text{mA}$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XSUY23D	Yellow	GaAsP/GaP	Yellow Diffused	1	2.5	590	110 $^\circ$

XSUY23D



◆UY

