

5x5mm SQUARE TOP LED LAMP

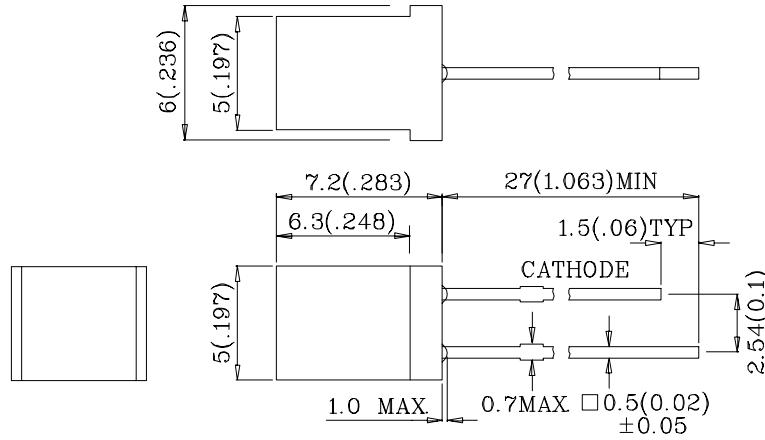


SUN LED

XSUG23D

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Notes:

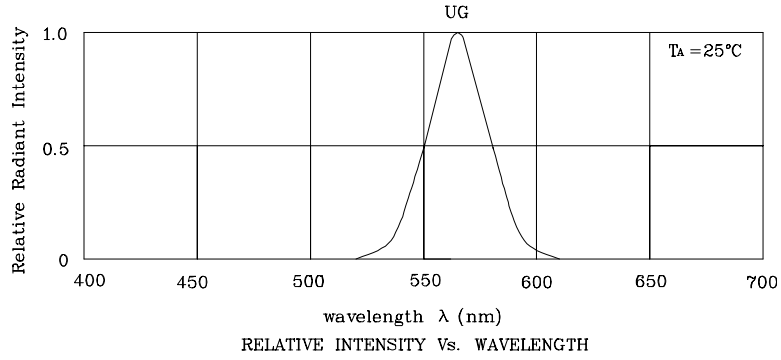
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		UG (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}	140	mA
Power dissipation	P_T	105	mW
Operating temperature	T_A	-40 ~ +85	$^\circ\text{C}$
Storage temperature	T_{stg}		
Lead solder temperature [2mm below package base]		260 $^\circ\text{C}$ For 5 Seconds	

Operating Characteristics ($T_A=25^\circ\text{C}$)		UG (GaP)	Unit
Forward voltage (typ.) ($I_F=10\text{mA}$)	V_F	2.0	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}	565	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_D	568	nm
Spectral Line half-width ($I_F=10\text{mA}$)	$\Delta\lambda$	30	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.		
XSUG23D	Green	GaP	Green Diffused	1	2.5	565	110 $^\circ$

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◆UG

