

**2x5mm RECTANGULAR LED LAMP**

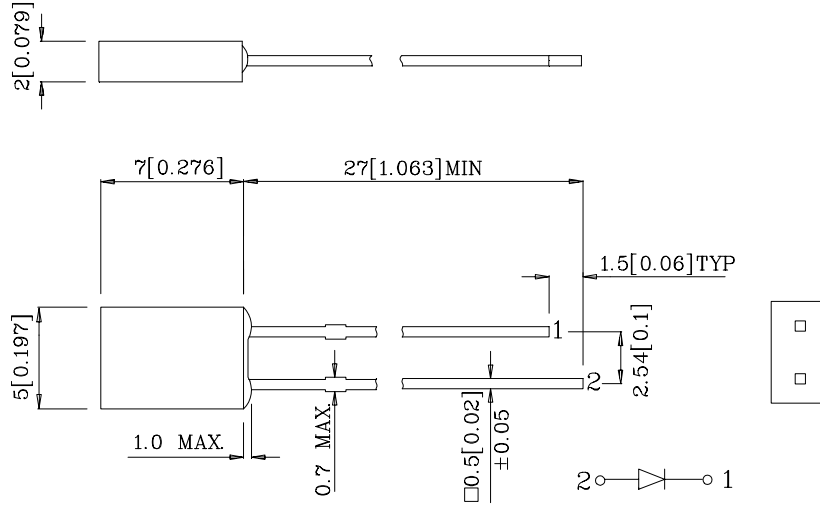


**SUN LED**

XSUG18D

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**Notes:**

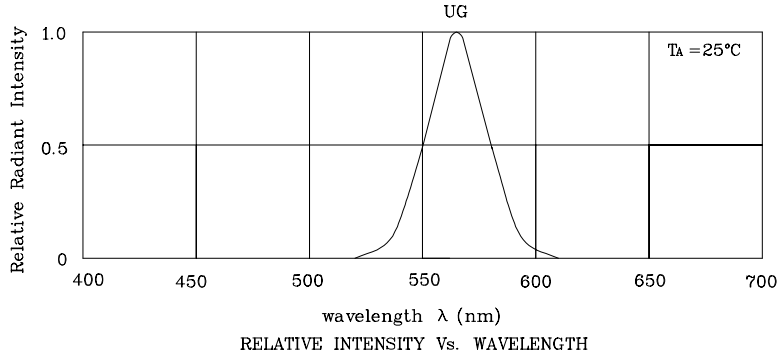
1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.

Absolute maximum ratings (T <sub>A</sub> =25°C)		UG (GaP)	Unit
Reverse voltage	V <sub>R</sub>	5	V
Forward current	I <sub>F</sub>	25	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 <sub>A</sub> =25°C)		UG (GaP)	Unit
Forward voltage (typ.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.0	V
Forward voltage (max.) (I <sub>F</sub> =10mA)	V <sub>F</sub>	2.5	V
Reverse current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength at peak emission (I <sub>F</sub> =10mA)	λ <sub>peak</sub>	565	nm
Wavelength at Dominate emission (I <sub>F</sub> =10mA)	λ <sub>D</sub>	568	nm
Spectral Line half-width (I <sub>F</sub> =10mA)	Δλ	30	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I <sub>F</sub> =10mA) mcd		Wavelength nm λ <sub>P</sub>	Viewing Angle 2θ1/2
				min.	TYP.		
XSUG18D	Green	GaP	Green Diffused	2	4.5	565	110°

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**◆UG**

