

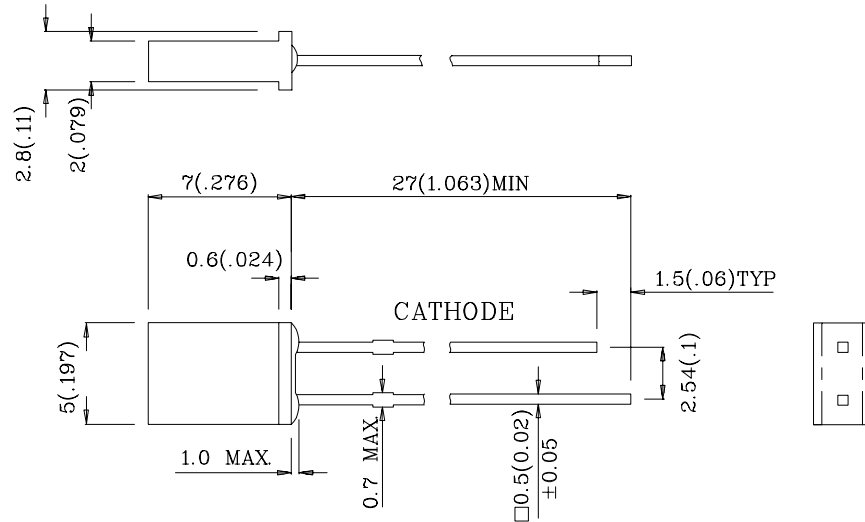


SUN LED

XSUO25D

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Notes:

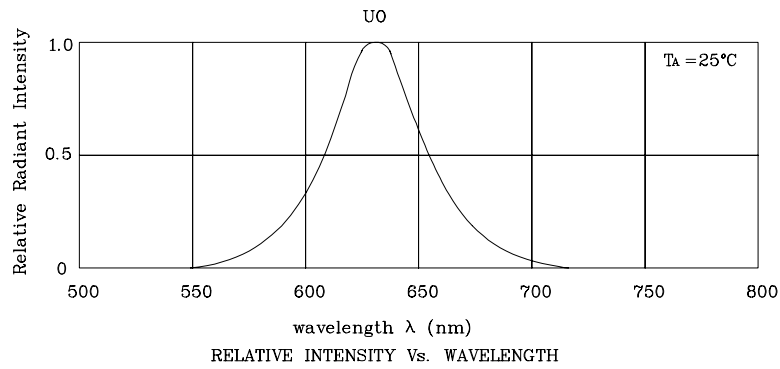
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		UO (GaAsP/GaP)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	160	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°C)		UO (GaAsP/GaP)	Unit
Forward voltage (typ.) (IF=10mA)	V _F	1.9	V
Forward voltage (max.) (IF=10mA)	V _F	2.5	V
Reverse current (VR=5V)	I _R	10	uA
Wavelength at peak emission (IF=10mA)	λ _{peak}	627	nm
Wavelength at Dominate emission (IF=10mA)	λ _D	625	nm
Spectral Line half-width (IF=10mA)	Δλ	45	nm
Capacitance (V _F =0V, f=1MHz)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=10mA) mcd		Wavelength nm λP	Viewing Angle 2θ1/2
				min.	typ.		
XSU025D	Orange	GaAsP/GaP	Orange Diffused	3	4.5	627	110°

XSUO25D



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