SunLED
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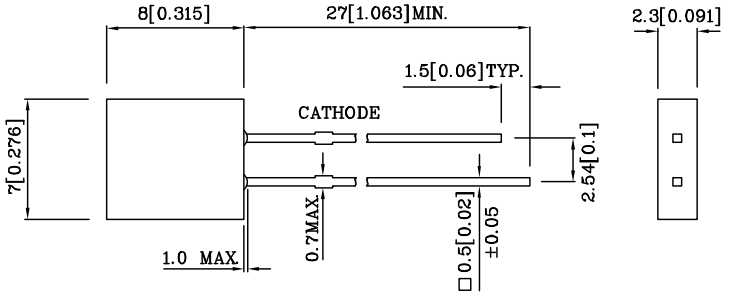
Part Number: XSUY19D

2.3x7mm RECTANGULAR SOLID LAMP

Features

- LOW POWER CONSUMPTION.
- RELIABLE AND RUGGED.
- EXCELLENT UNIFORMITY OF LIGHT OUTPUT.
- SUITABLE FOR LEVEL INDICATOR.
- LONG LIFE - SOLID STATE RELIABILITY.
- I.C. COMPATIBLE.



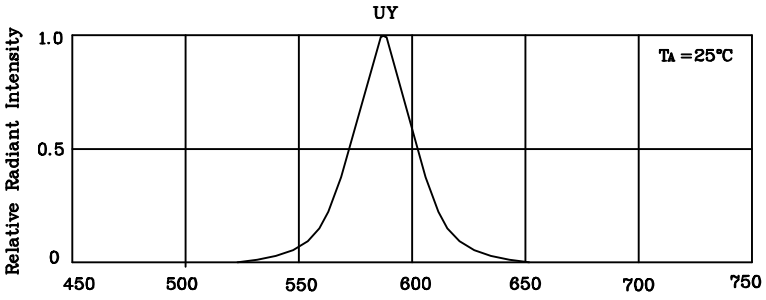
Notes:

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

Absolute maximum ratings (T_A=25°C)		UY (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}	140	mA
Power dissipation	P_T	105	mW
Operating temperature	T_A	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	
Lead solder temperature [2mm below package base]	260°C For 5 Seconds		

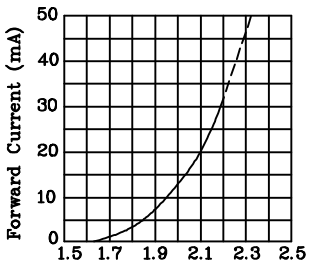
Operating Characteristics (T_A=25°C)		UY (GaAsP/GaP)	Unit
Forward voltage (typ.) (I_F=10mA)	V_F	1.95	V
Forward voltage (max.) (I_F=10mA)	V_F	2.5	V
Reverse current (V_R=5V)	I_R	10	uA
Wavelength at peak emission (I_F=10mA)	λ peak	590	nm
Wavelength at Dominate emission (I_F=10mA)	λ D	588	nm
Spectral Line half-width (I_F=10mA)	Δλ	35	nm
Capacitance (V_F=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=10mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XSUY19D	Yellow	GaAsP/GaP	Yellow Diffused	1	2.5	590	110°

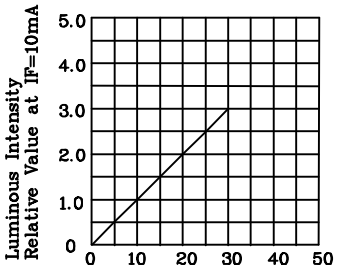


RELATIVE INTENSITY Vs. WAVELENGTH

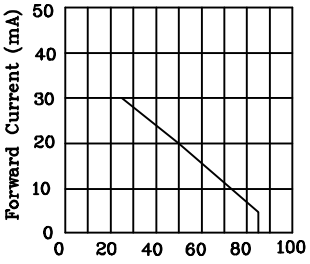
❖ UY



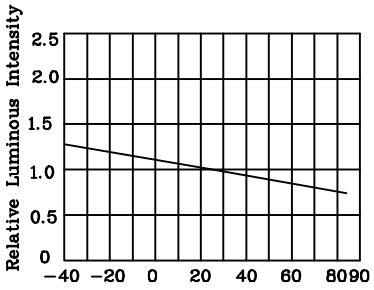
FORWARD CURRENT Vs.
FORWARD VOLTAGE



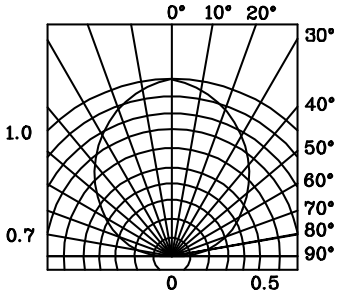
LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE



LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



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