

**12.7mm (0.5") 16 SEGMENT SINGLE
DIGIT ALPHANUMERIC NUMERIC DISPLAY**

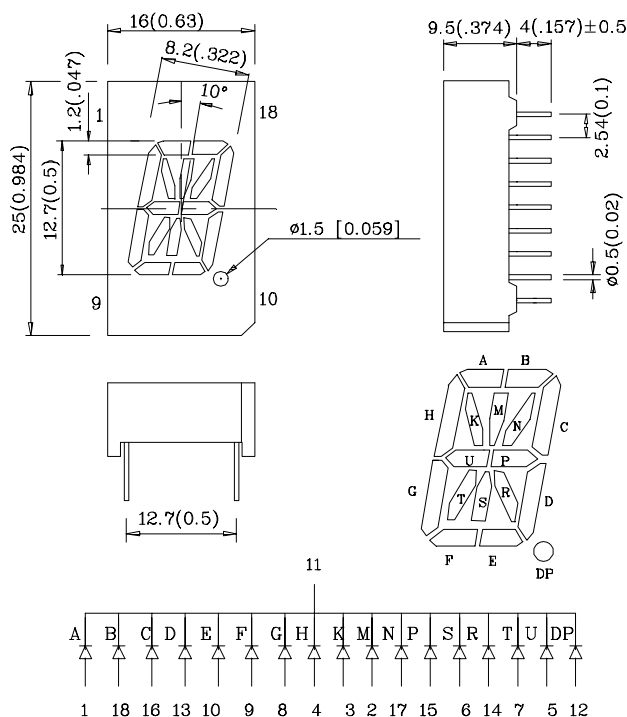
XAUY13C



SUN LED

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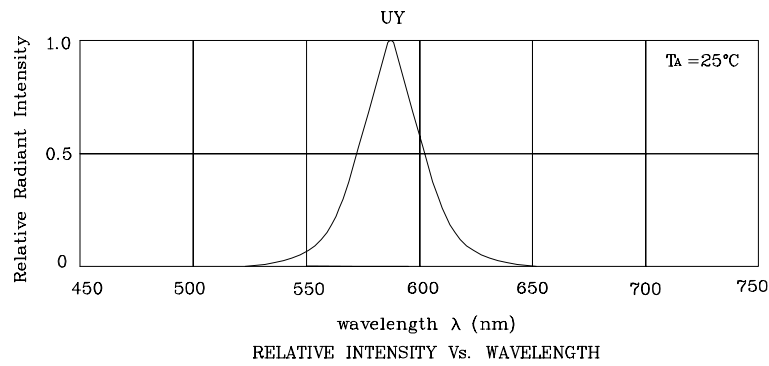
Notes:

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)		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	T _{stg}		
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	μA
Wavelength at peak emission ($I_F=10\text{mA}$)	λ_{peak}	590	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_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	Luminous Intensity ($I_F=10\text{mA}$) ucd min. typ.		Wavelength nm λ_P	Description
XAUY13C	Yellow	GaAsP/GaP	1200	2990	590	Common Cathode,Rt.Hand Decimal



❖UY

