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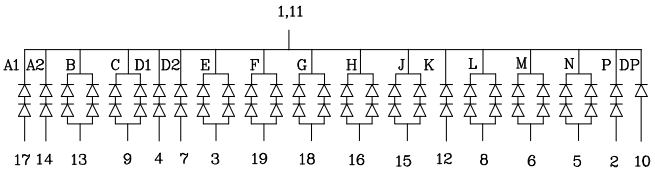
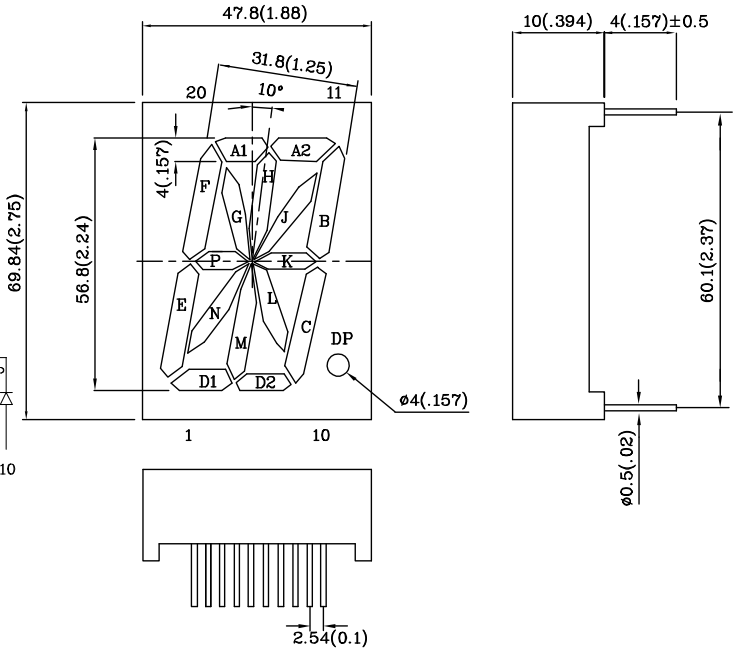
Part Number: **XAUY60C**

56.8mm (2.3 ") 16 SEGMENT SINGLE DIGIT ALPHANUMERIC DISPLAY

Features

- 2.3 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- MECHANICALLY RUGGED.
- STANDARD: GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.





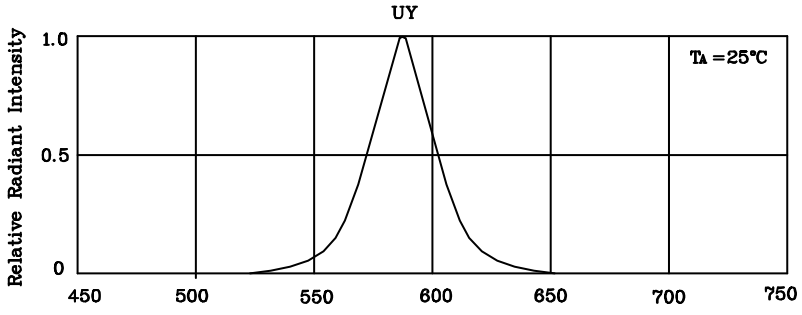
Notes:

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

Absolute maximum ratings (TA=25°C)			**UY (GaAsP/ GaP)**	**Unit**
Reverse Voltage	A1,A2,D1, D2,P,K	VR	10	V
	B,C,E,F,G, H,J,L,M,N		10	
	DP		5	
Forward Current	A1,A2,D1, D2,P,K	IF	30	mA
	B,C,E,F,G, H,J,L,M,N		60	
	DP		30	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	A1,A2,D1, D2,P,K	iFS	140	mA
	B,C,E,F,G, H,J,L,M,N		280	
	DP		140	
Power Dissipation	A1,A2,D1, D2,P,K	PT	150	mW
	B,C,E,F,G, H,J,L,M,N		300	
	DP		105	
Operating Temperature		TA	-40 ~ +85	°C
Storage Temperature		Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]		260°C For 5 Seconds		

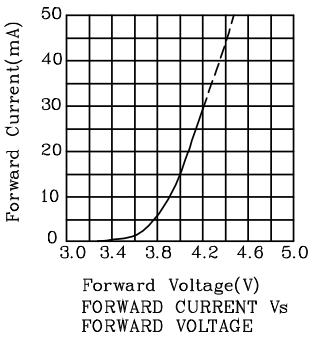
Operating Characteristics (TA=25°C)			**UY (GaAsP/ GaP)**	**Unit**
Forward Voltage (Typ.) (IF=10mA)	A1,A2,D1,D2, P,K	VF	3.9	V
	B,C,E,F,G,H, J,L,M,N			
	DP		1.95	
Forward Voltage (Max.) (IF=10mA)	A1,A2,D1,D2, P,K	VF	5.0	V
	B,C,E,F,G,H, J,L,M,N			
	DP		2.5	
Reverse Current (VR=10V)	A1,A2,D1,D2, P,K	IR	10	uA
Reverse Current (VR=10V)	B,C,E,F,G,H, J,L,M,N		20	
Reverse Current (VR=5V)	DP		10	
Wavelength of Peak Emission (IF=10mA)		λ P	590	nm
Wavelength of Dominant Emission (IF=10mA)		λ D	588	nm
Spectral Line Full Width At Half-Maximum (IF=10mA)		Δλ	35	nm
Capacitance (VF=0V, f=1MHz)		C	20	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
XAUY60C	Yellow	GaAsP/GaP	1900	7990	590	Common Cathode, Rt. Hand Decimal

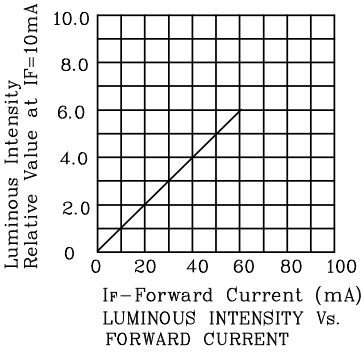


RELATIVE INTENSITY Vs. WAVELENGTH

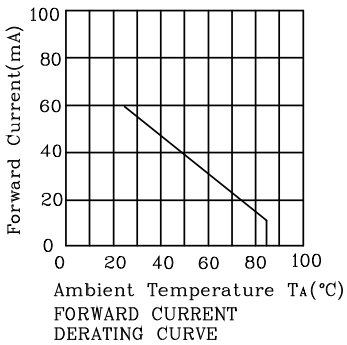
❖ **UY**



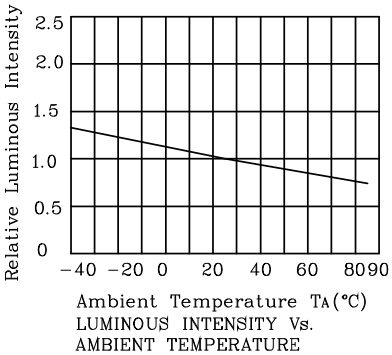
FORWARD CURRENT Vs
FORWARD VOLTAGE



LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE

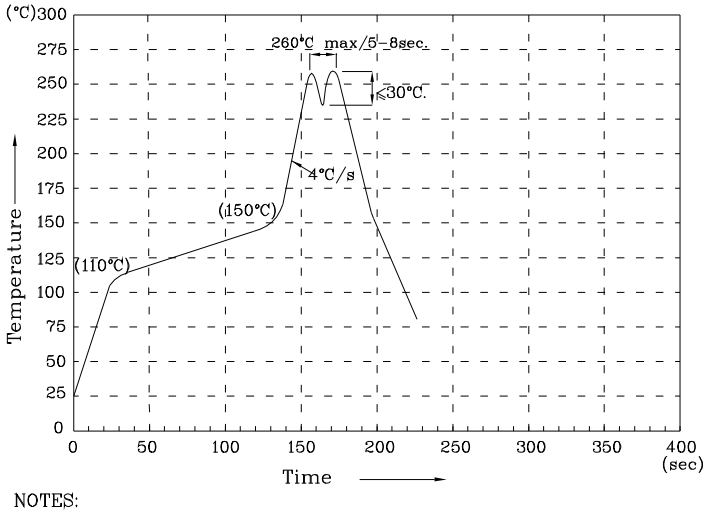


LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

Remarks:
If special sorting is required (e.g. binning based on forward voltage, luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:
1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V
Note: Accuracy may depend on the sorting parameters.

XAUY60C

Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

1. Recommend the wave temperature 245°C~260°C. The maximum soldering temperature should be less than 260°C.
2. Do not apply stress on epoxy resins when temperature is over 85 degree°C.
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.