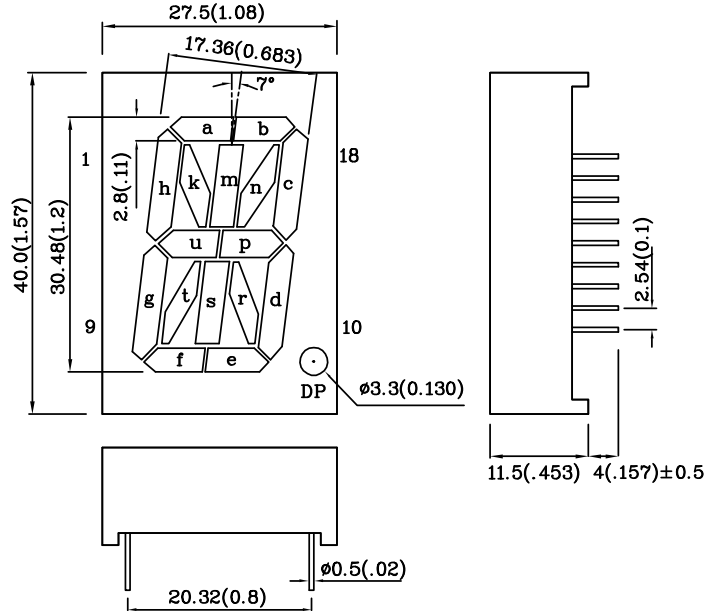
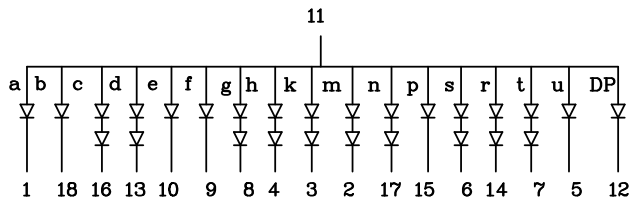


**Features**

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



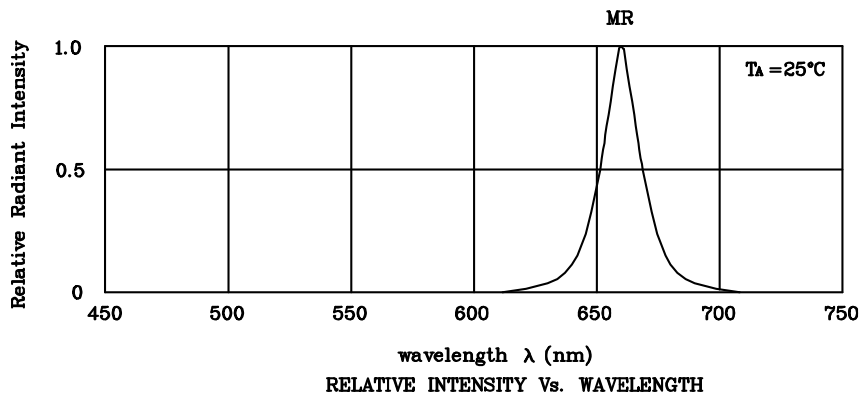
Notes:

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

Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )			MR (GaAlAs)	Unit
Reverse Voltage	C,D,G,H,K,M,N,S,R,T	$V_R$	10	V
	A,B,E,F,P,U (DP)		5	
DC Forward Current	C,D,G,H,K,M,N,S,R,T	$I_F$	30	mA
	A,B,E,F,P,U (DP)			
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	C,D,G,H,K,M,N,S,R,T	$i_{FS}$	155	mA
	A,B,E,F,P,U (DP)			
Power Dissipation	C,D,G,H,K,M,N,S,R,T	$P_T$	150	mW
	A,B,E,F,P,U (DP)		100	
Operating Temperature		$T_A$	-40 ~ +85	$^\circ\text{C}$
Storage Temperature		$T_{stg}$	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260 $^\circ\text{C}$ For 5 Seconds			

Operating Characteristics (TA=25°C)			MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=10mA)	C,D,G,H,K,M,N,S,R,T	VF	3.6	V
	A,B,E,F,P,U (DP)		1.8	
Forward Voltage (Max.) (IF=10mA)	C,D,G,H,K,M,N,S,R,T	VF	5.0	V
	A,B,E,F,P,U (DP)		2.5	
Reverse Current (VR=10V(5V))	C,D,G,H,K,M,N,S,R,T	IR	10	uA
	A,B,E,F,P,U (DP)			
Wavelength of Peak Emission (IF=10mA)		$\lambda_p$	660	nm
Wavelength of Dominant Emission (IF=10mA)		$\lambda_D$	640	nm
Spectral Line Full Width At Half-Maximum (IF=10mA)		$\Delta\lambda$	20	nm
Capacitance (VF=0V, f=1MHz)		C	45	pF

Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm $\lambda_P$	Description
			min.	typ.		
XAMR30A	Red	GaAlAs	8000	25990	660	Common Anode, Rt. Hand Decimal



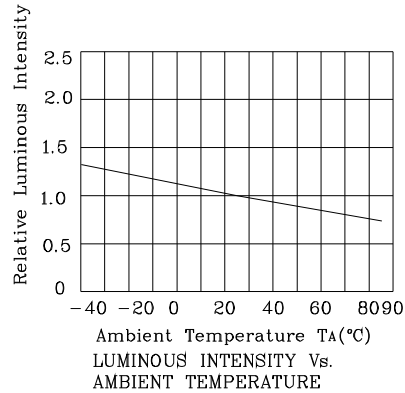
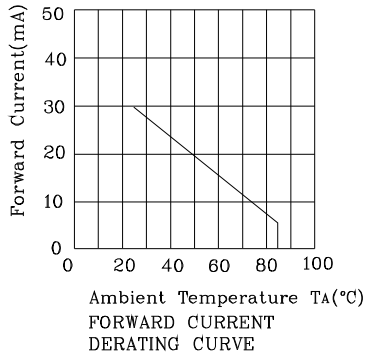
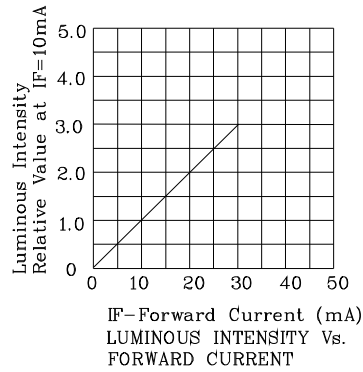
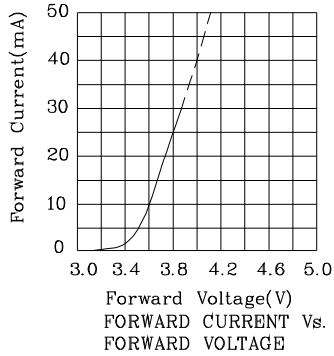
Remarks:

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

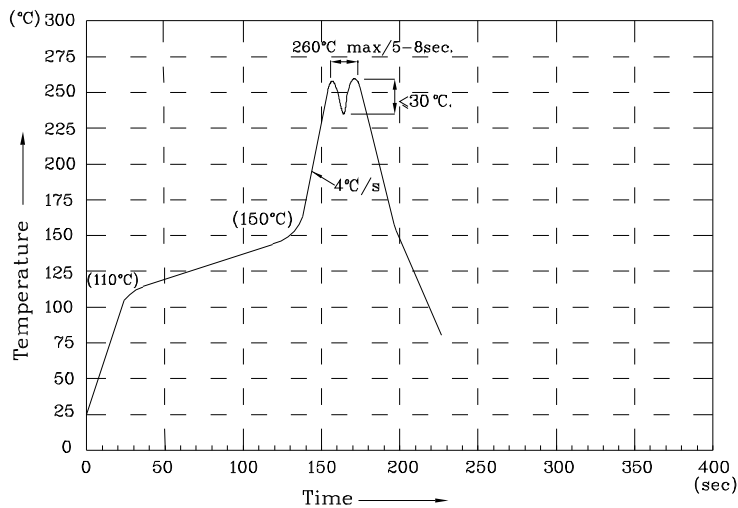
Note: Accuracy may depend on the sorting parameters.

❖ MR



**XAMR30A**

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.