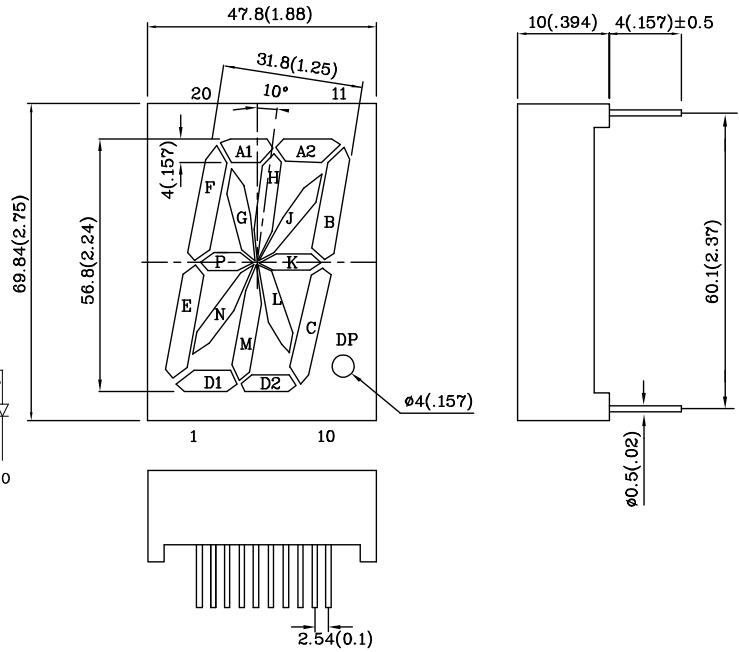
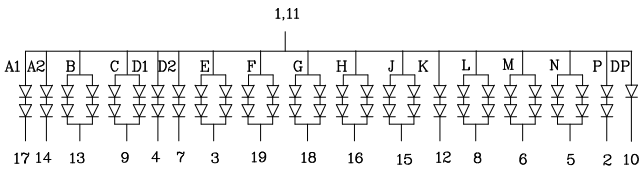


**Features**

- 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.



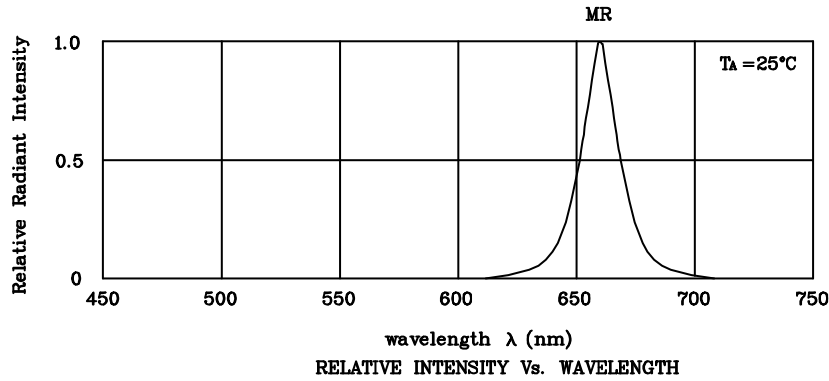
Notes:

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

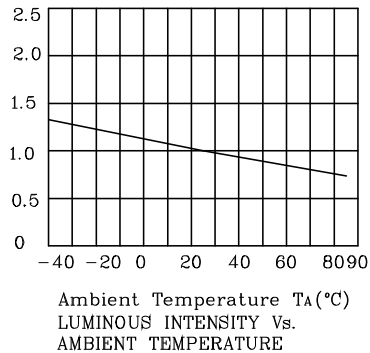
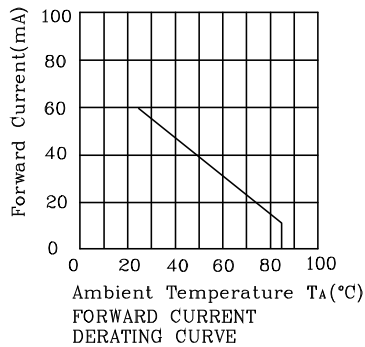
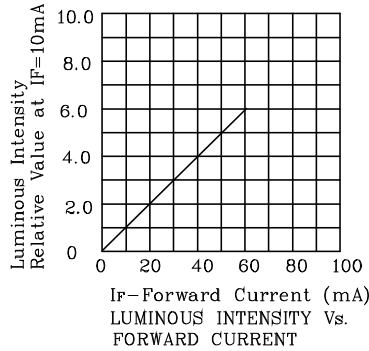
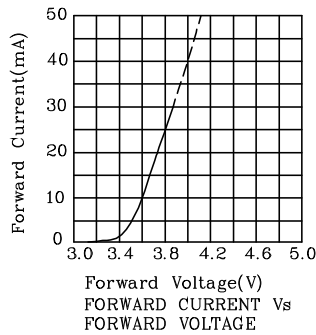
Absolute maximum ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage	A1,A2,D1, D2,P,K	10	V
	B,C,E,F,G, H,J,L,M,N	10	
	DP	5	
Forward Current	A1,A2,D1, D2,P,K	30	mA
	B,C,E,F,G, H,J,L,M,N	60	
	DP	30	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	A1,A2,D1, D2,P,K	155	mA
	B,C,E,F,G, H,J,L,M,N	310	
	DP	155	
Power Dissipation	A1,A2,D1, D2,P,K	150	mW
	B,C,E,F,G, H,J,L,M,N	300	
	DP	100	
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)			MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=10mA)	A1,A2,D1,D2, P,K	VF	3.6	V
	B,C,E,F,G,H, J,L,M,N			
	DP		1.8	
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	660	nm
Wavelength of Dominant Emission (IF=10mA)		λ D	640	nm
Spectral Line Full Width At Half- Maximum (IF=10mA)		Δλ	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.		
XAMR60A	Red	GaAlAs	12000	74990	660	Common Anode, Rt. Hand Decimal



❖ MR



Remarks:

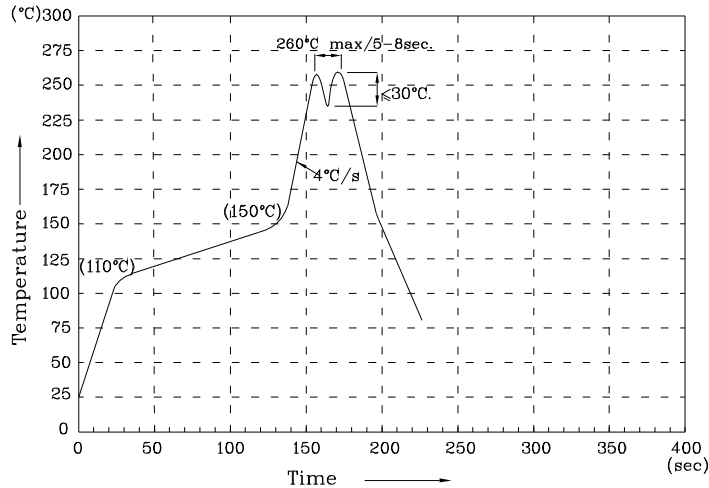
If special sorting is required (e.g. binning based on forward voltage, luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

**XAMR60A**

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.