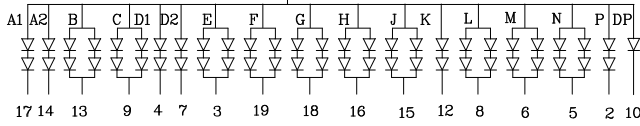


Features

- 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.

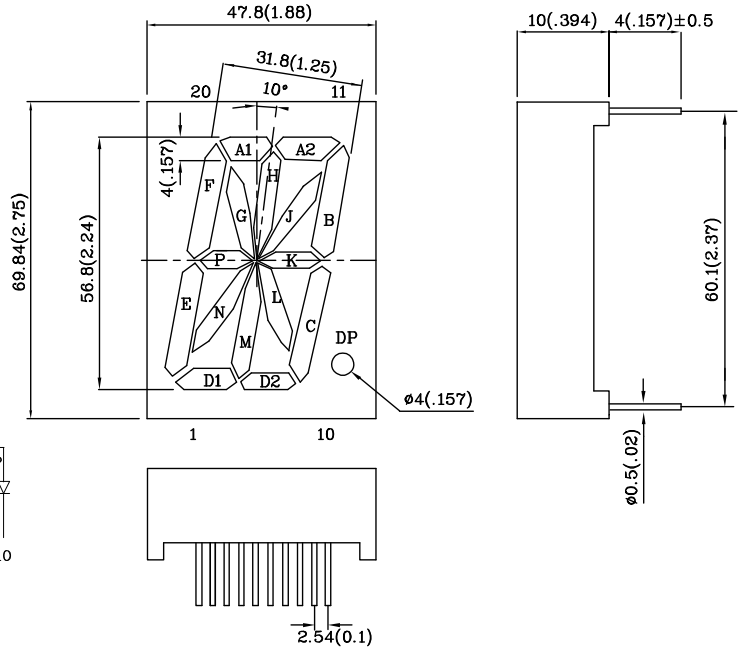


1,11



Notes:

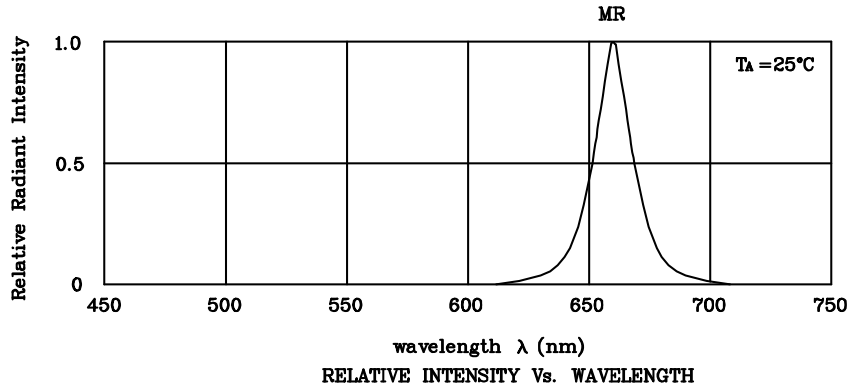
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.



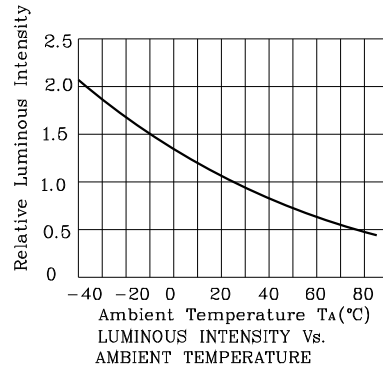
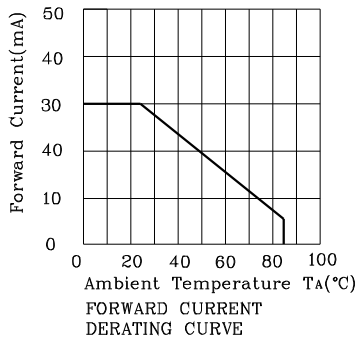
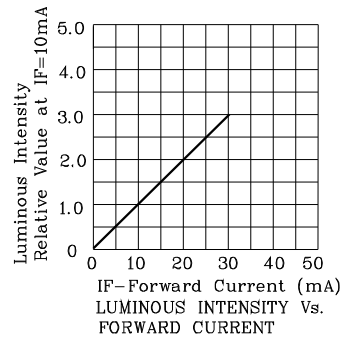
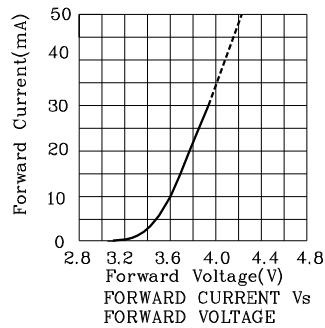
Absolute maximum ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage	A1,A2,D1, D2,P,K	10	V
	B,C,E,F,G, H,J,L,M,N	10	
	DP	5	
Forward Current	A1,A2,D1, D2,P,K	30	mA
	B,C,E,F,G, H,J,L,M,N	60	
	DP	30	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	A1,A2,D1, D2,P,K	155	mA
	B,C,E,F,G, H,J,L,M,N	310	
	DP	155	
Power Dissipation	A1,A2,D1, D2,P,K	150	mW
	B,C,E,F,G, H,J,L,M,N	300	
	DP	75	
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		

Operating Characteristics (TA=25°C)		MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=10mA)	A1,A2,D1,D2, P,K	VF	3.6
	B,C,E,F,G,H, J,L,M,N		
	DP		
Forward Voltage (Max.) (IF=10mA)	A1,A2,D1,D2, P,K	VF	5.0
	B,C,E,F,G,H, J,L,M,N		
	DP		
Reverse Current (Max.) (VR=10V)	A1,A2,D1,D2, P,K	IR	10
Reverse Current (Max.) (VR=10V)	B,C,E,F,G,H, J,L,M,N		20
Reverse Current (Max.) (VR=5V)	DP		10
Wavelength of Peak Emission (Typ.) (IF=10mA)		λP	660 nm
Wavelength of Dominant Emission (Typ.) (IF=10mA)		λD	640 nm
Spectral Line Full Width At Half- Maximum (Typ.) (IF=10mA)		$\Delta\lambda$	20 nm
Capacitance (Typ.) (VF=0V, f=1MHz)		C	45 pF

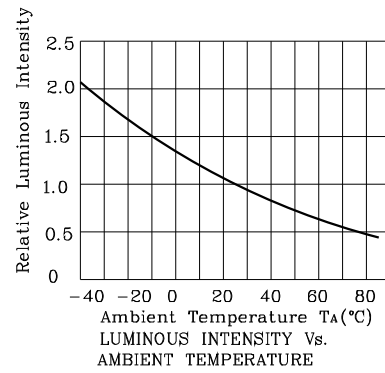
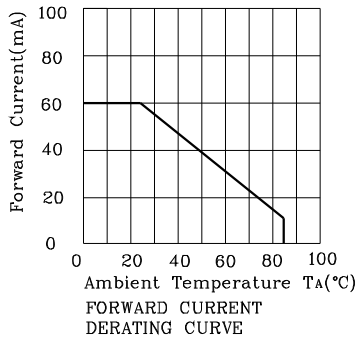
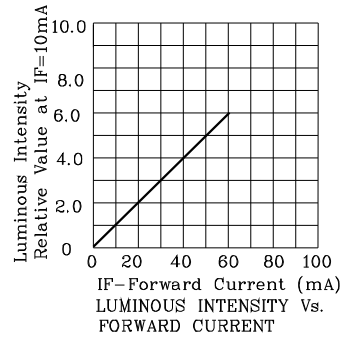
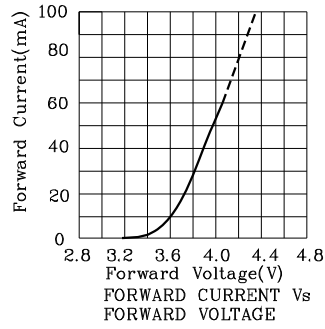
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
AMR60A	Red	GaAlAs	12000	74990	660	Common Anode, Rt. Hand Decimal



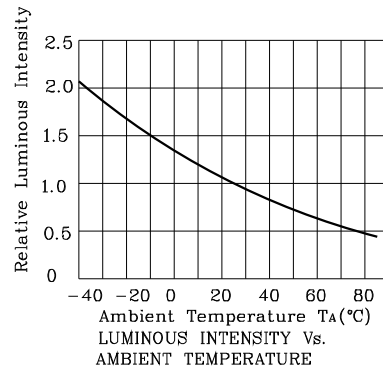
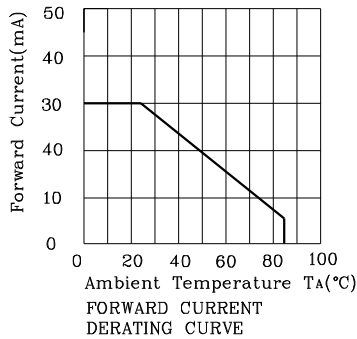
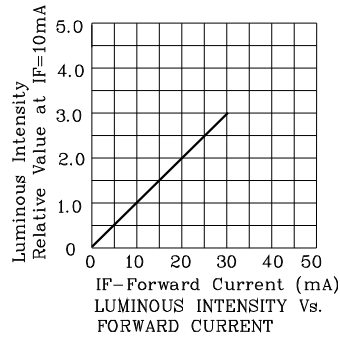
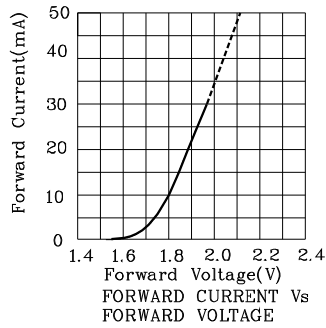
❖ **MR**



Note:the curves are on the segment a1,a2,d1,d2,p,k.

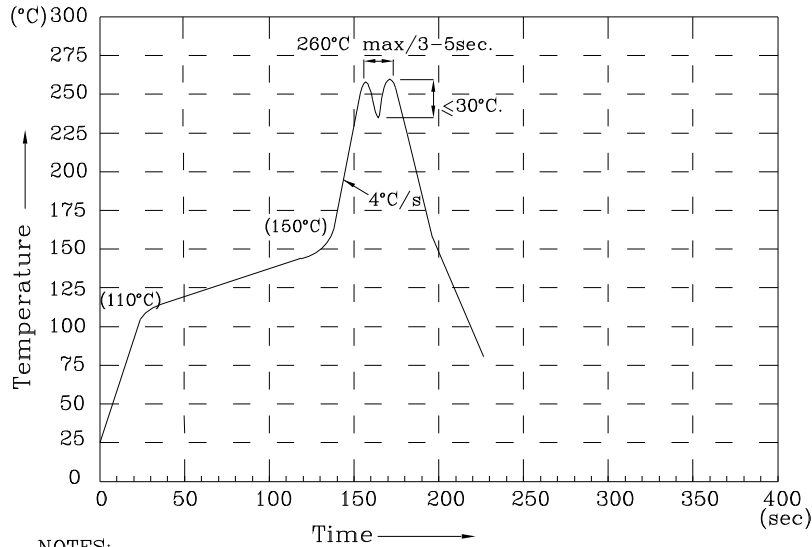


Note:the curves are on the segment b,c,e,f,g,h,j,l,m,n.



Note:the curves are on the DP.

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.

Remarks:

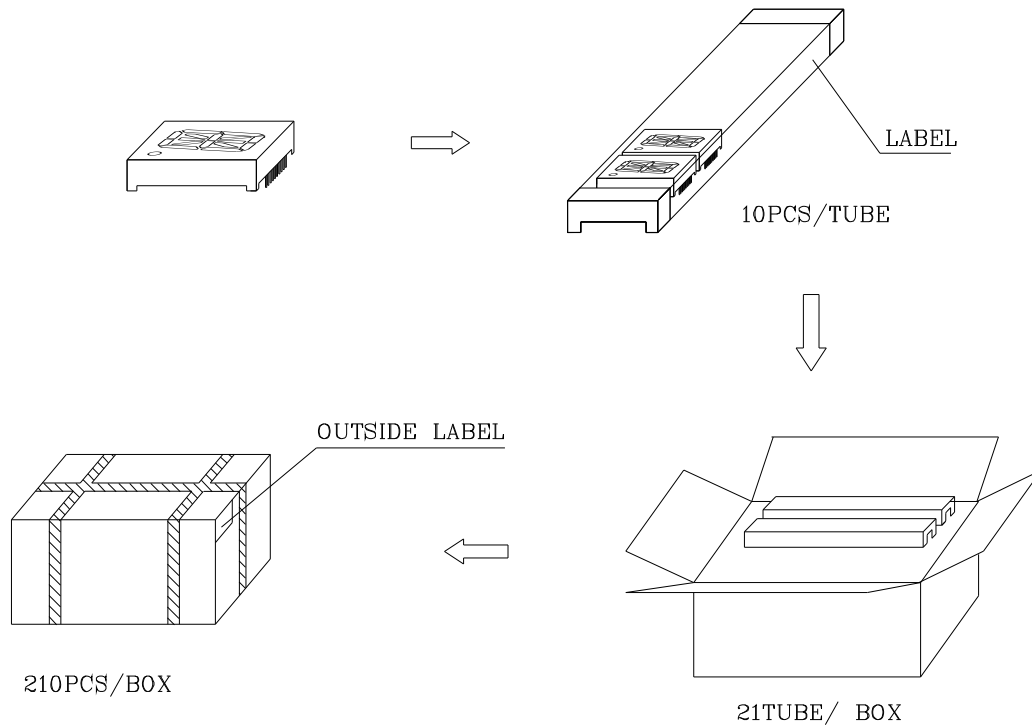
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

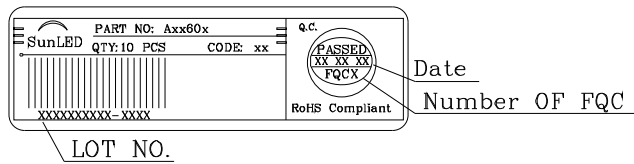
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

AMR60A



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

