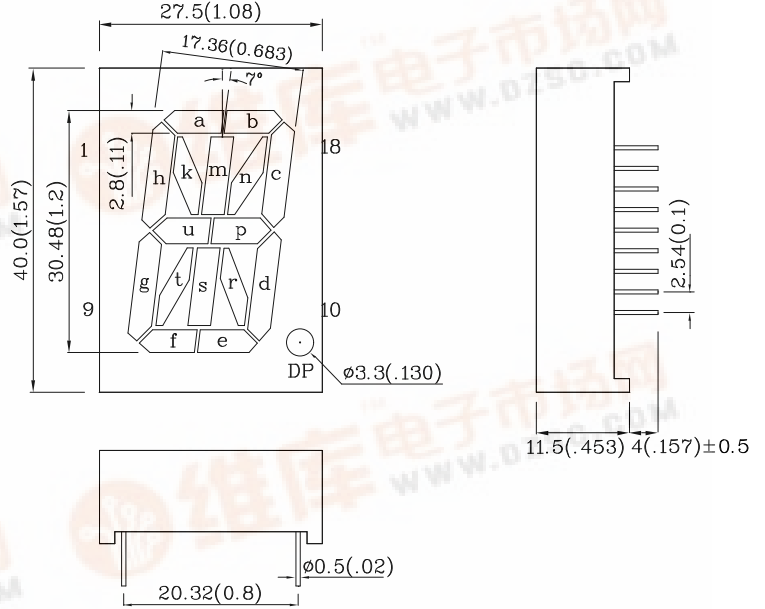
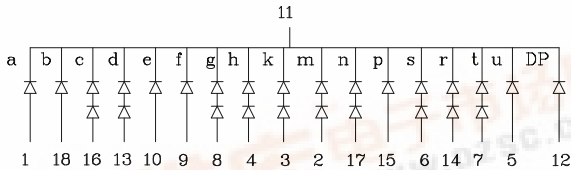


Part Number: **AMR30C**

30.48mm (1.2") 16 SEGMENT SINGLE DIGIT  
ALPHANUMERIC NUMERIC DISPLAY

**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:

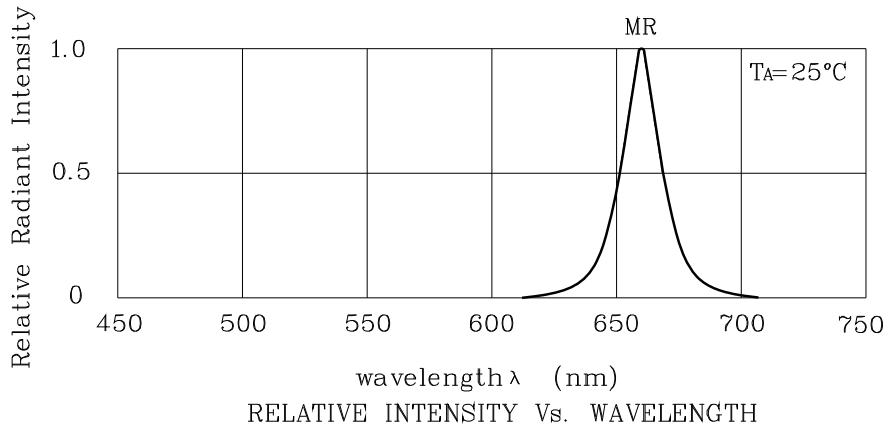
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage	c,d,g,h,k,m,n, s,r,t	VR	10
	a,b,e,f,p,u and DP		5
DC Forward Current	c,d,g,h,k,m,n, s,r,t	IF	30
	a,b,e,f,p,u and DP		
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	c,d,g,h,k,m,n, s,r,t	IFS	155
	a,b,e,f,p,u and DP		
Power Dissipation	c,d,g,h,k,m,n, s,r,t	PT	150
	a,b,e,f,p,u and DP		75
Operating Temperature	TA		-40 ~ +85
Storage Temperature	Tstg		-40 ~ +85
Lead Solder Temperature [2mm Below Package Base]			260°C For 3~5 Seconds

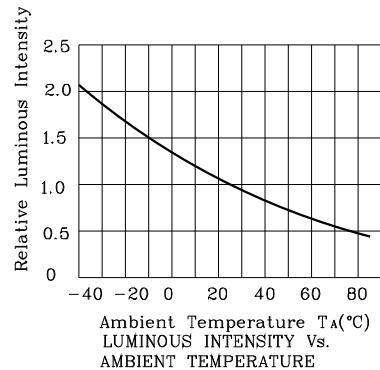
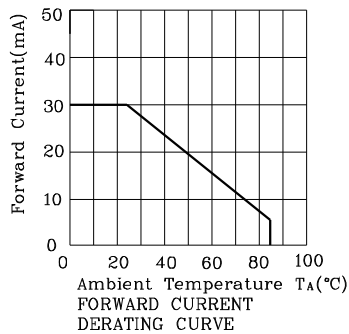
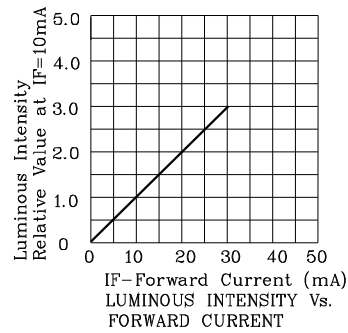
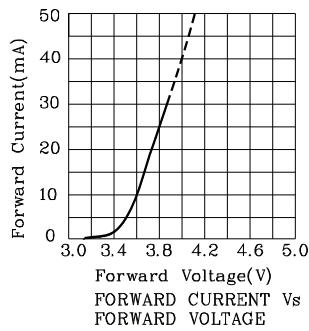
Operating Characteristics (TA=25°C)			MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=10mA)	c,d,g,h,k,m,n, s,r,t	VF	3.6	V
	a,b,e,f,p,u and DP		1.8	
Forward Voltage (Max.) (IF=10mA)	c,d,g,h,k,m,n, s,r,t	VF	5	V
	a,b,e,f,p,u and DP		2.5	
Reverse Current (Max.) (VR=10V(5V))	c,d,g,h,k,m,n, s,r,t	IR	10	uA
	a,b,e,f,p,u and DP			
Wavelength of Peak Emission (Typ.) (IF=10mA)		$\lambda P$	660	nm
Wavelength of Dominant Emission (Typ.) (IF=10mA)		$\lambda D$	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



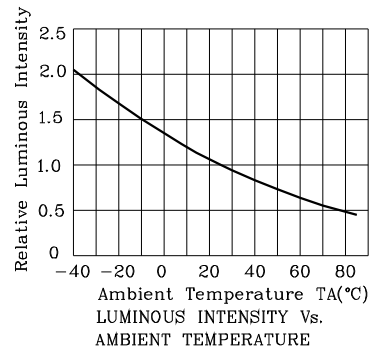
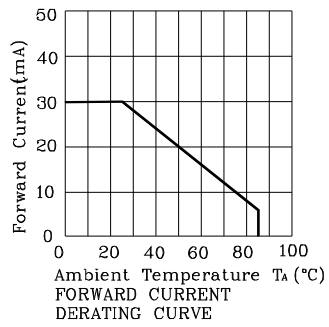
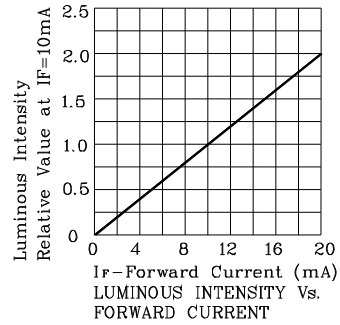
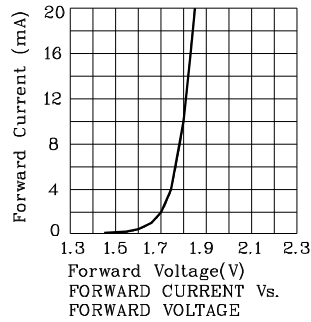
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm $\lambda$ P	Description
			min.	typ.		
AMR30C	Red	GaAlAs	8000	25990	660	Common Cathode, Rt. Hand Decimal



❖ MR

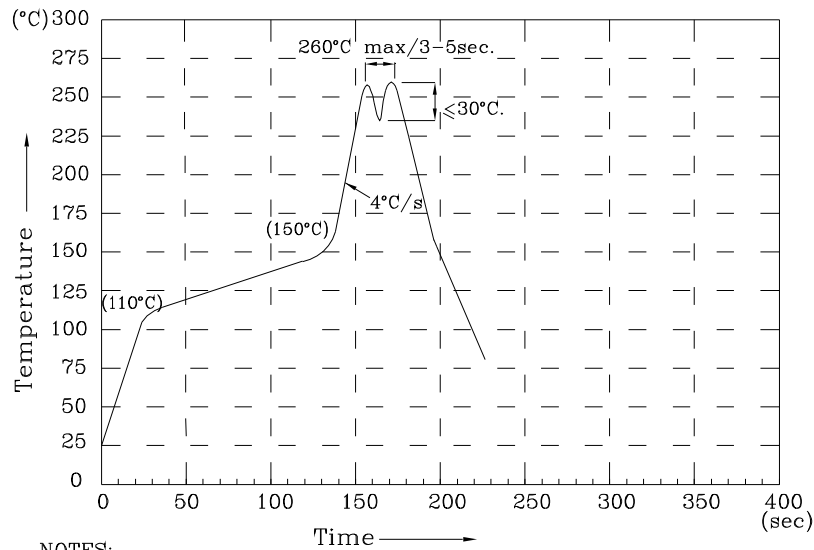


Note: the curves are on the segment c, d, g, h, k, m, n, s, r and t.



Note:the curves are on the segment a,b,e,f,p,u and 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:

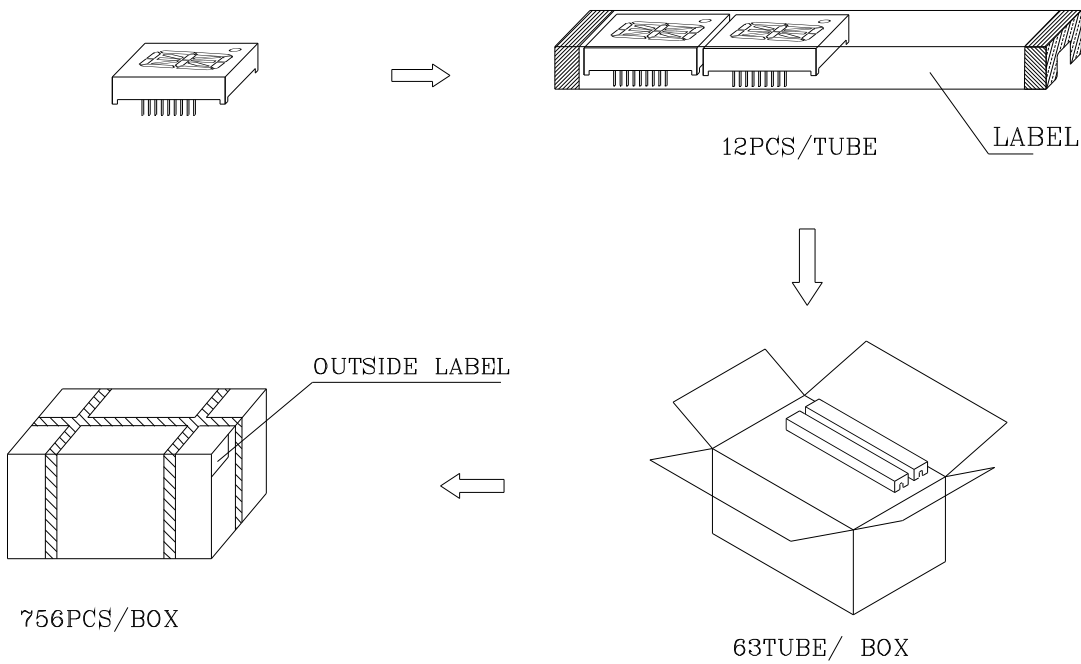
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

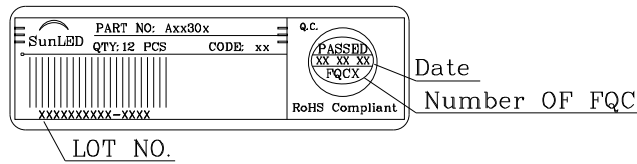
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**AMR30C**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

