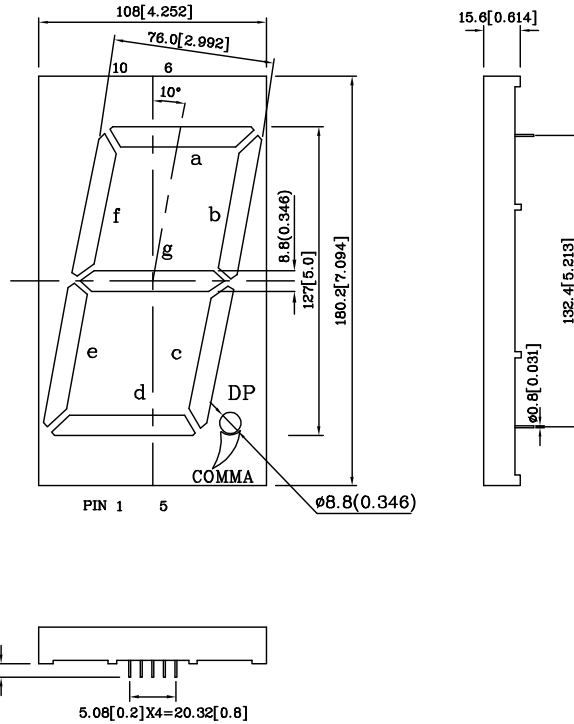
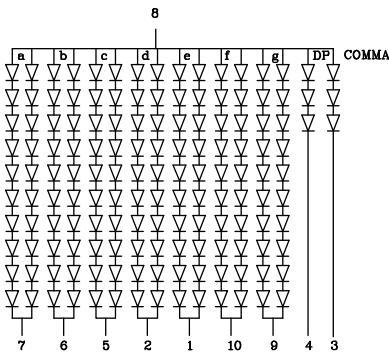


**Features**

- 5.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE,WHITE SEGMENT.
- RoHS COMPLIANT.



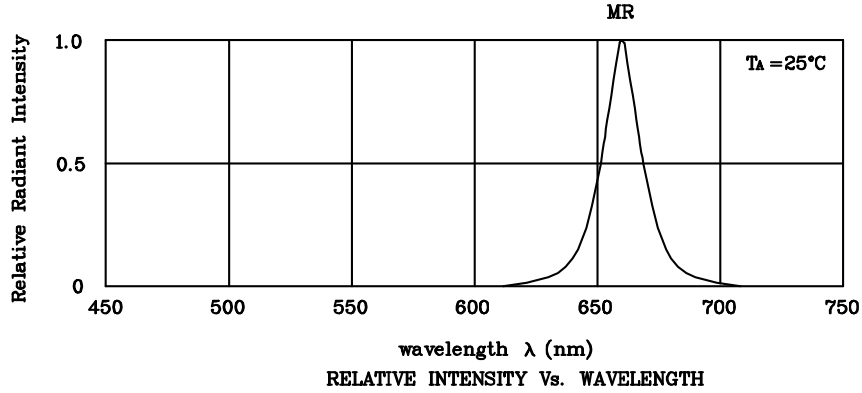
Notes:

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

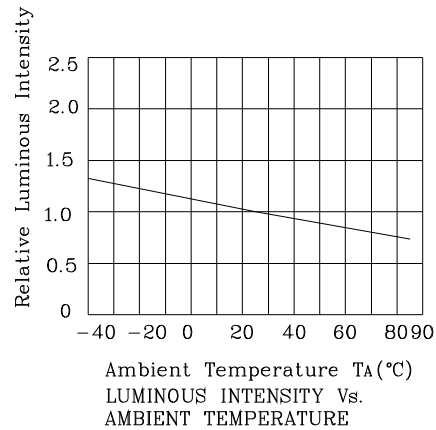
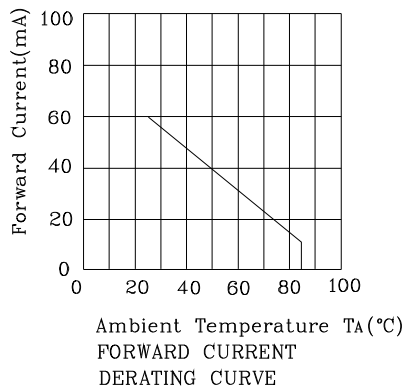
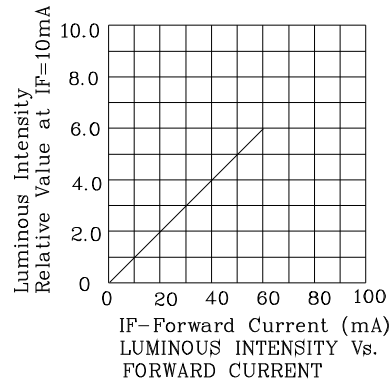
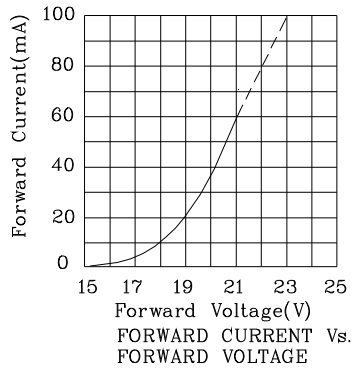
Absolute maximum ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage Per Segment or (Dp and Comma)	V <sub>R</sub>	50 (15)	V
DC Forward Current Per Segment or (Dp and Comma)	I <sub>F</sub>	60 (30)	mA
Forward Current (Peak) Per Segment or (Dp and Comma) 1/10 Duty Cycle 0.1ms Pulse Width	i <sub>FS</sub>	310 (155)	mA
Power Dissipation Per Segment or (Dp and Comma)	P <sub>T</sub>	1500 (225)	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-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.) (I <sub>F</sub> =10mA) Per Segment or (Dp and Comma)	V <sub>F</sub>	18.0 (5.4)	V
Forward Voltage (Max.) (I <sub>F</sub> =10mA) Per Segment or (Dp and Comma)	V <sub>F</sub>	25.0 (7.5)	V
Reverse Current (V <sub>R</sub> =50V(15V)) Per Segment or (Dp and Comma)	I <sub>R</sub>	20 (10)	uA
Wavelength of Peak Emission (I <sub>F</sub> =10mA)	λ <sub>p</sub>	660	nm
Wavelength of Dominant Emission (I <sub>F</sub> =10mA)	λ <sub>D</sub>	640	nm
Spectral Line Full Width At Half- Maximum (I <sub>F</sub> =10mA)	Δλ	20	nm
Capacitance (Per Segment) (V <sub>F</sub> =0V, f=1MHz)	C	45	pF

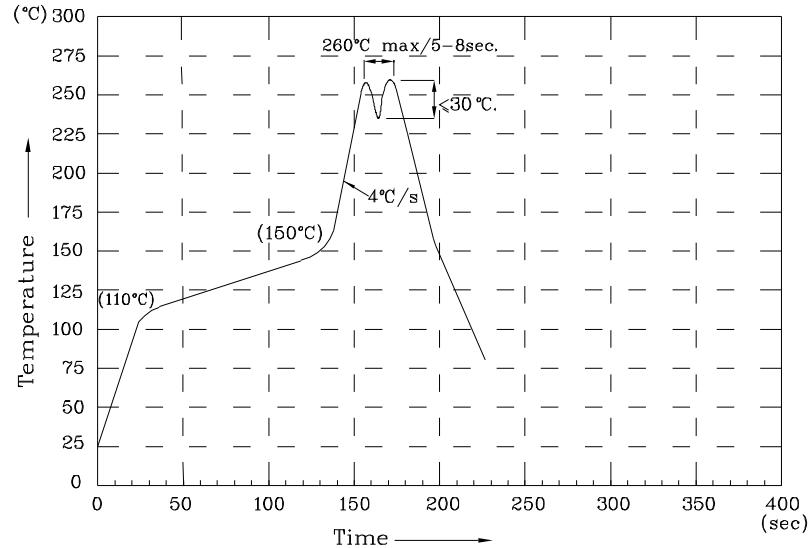
Part Number	Emitting Color	Emitting Material	Luminous Intensity (I <sub>F</sub> =10mA)		Wavelength nm λ <sub>P</sub>	Description
			min.	typ.		
XDMR127A-A	Red	GaAlAs	44000	131990	660	Common Anode, Rt. Hand Decimal



❖ MR



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, 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.