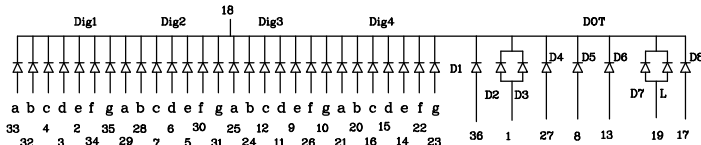
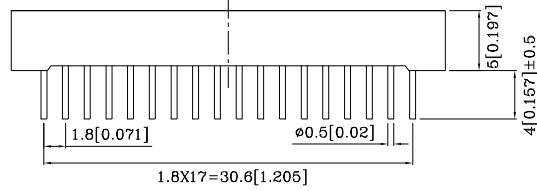
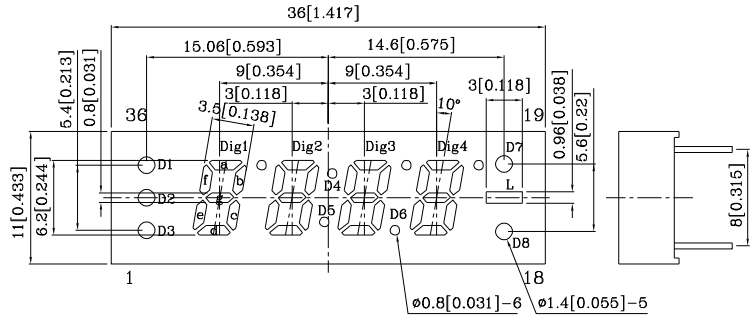


### Features

- 0.25 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.



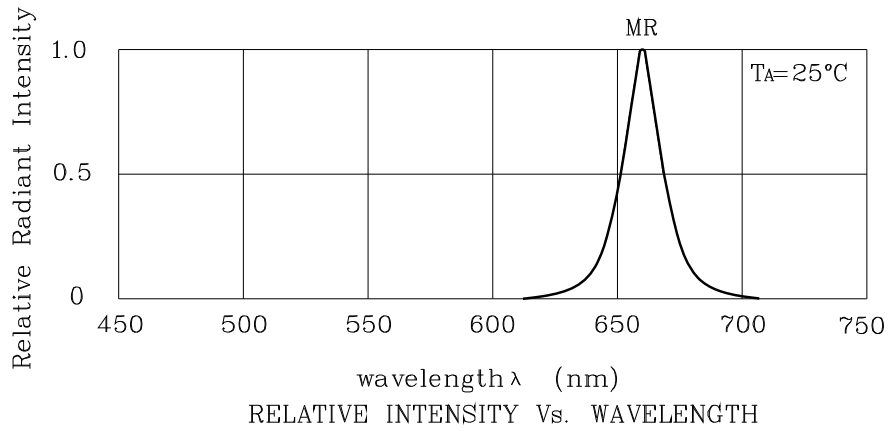
### Notes:

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

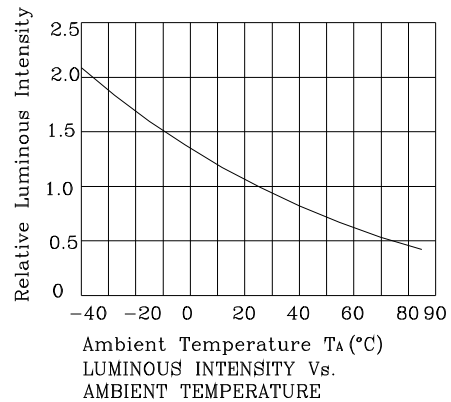
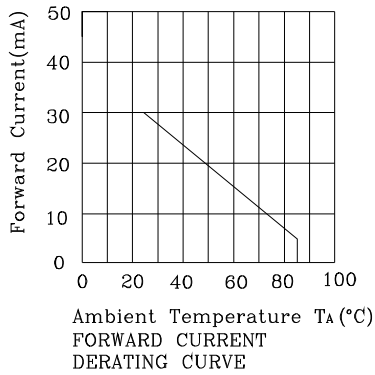
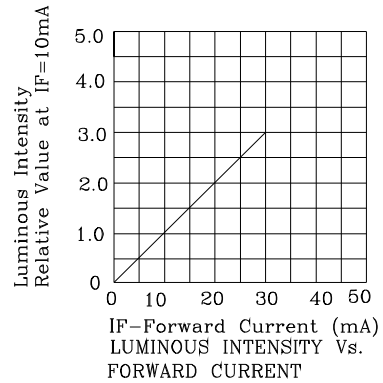
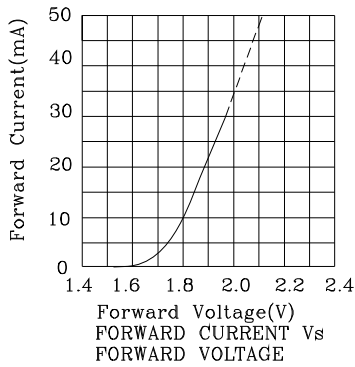
Absolute Maximum Ratings ( $T_A=25^\circ\text{C}$ )			MR (GaAlAs)	Unit
Reverse Voltage	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V <sub>R</sub>	5	V
	D2,D3,D7,L			
Forward Current	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I <sub>F</sub>	30	mA
	D2,D3,D7,L		60	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	i <sub>FS</sub>	155	mA
	D2,D3,D7,L		310	
Power Dissipation	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	P <sub>T</sub>	75	mW
	D2,D3,D7,L		150	
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 3~5 Seconds	

Operating Characteristics ( $T_A=25^\circ\text{C}$ )			MR (GaAlAs)	Unit
Forward Voltage (Typ.) (I <sub>F</sub> =10mA)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V <sub>F</sub>	1.8	V
	D2,D3,D7,L			
Forward Voltage (Max.) (I <sub>F</sub> =10mA)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V <sub>F</sub>	2.5	V
	D2,D3,D7,L			
Reverse Current (Max.) (V <sub>R</sub> =5V)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I <sub>R</sub>	10	uA
	D2,D3,D7,L		20	
Wavelength of Peak (Typ.) Emission (I <sub>F</sub> =10mA)		λ <sub>P</sub>	660	nm
Wavelength of Dominant Emission (Typ.) (I <sub>F</sub> =10mA)		λ <sub>D</sub>	640	nm
Spectral Line Full Width (Typ.) At Half-Maximum (I <sub>F</sub> =10mA)		Δλ	25	nm
Capacitance (Typ.) (V <sub>F</sub> =0V, f=1MHz)		C	45	pF

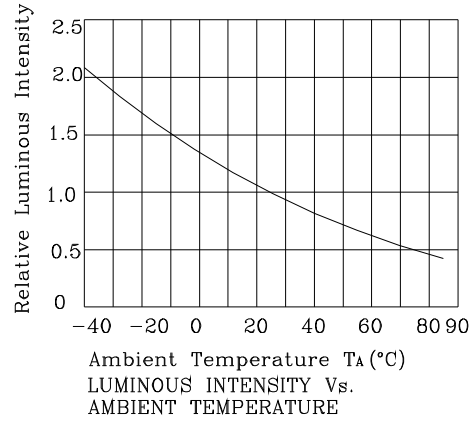
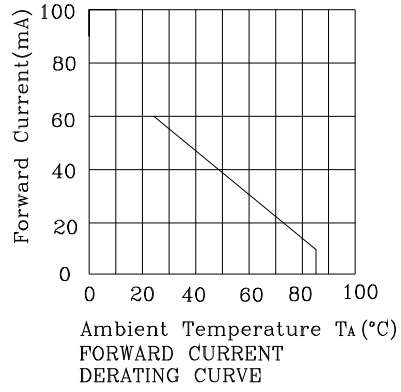
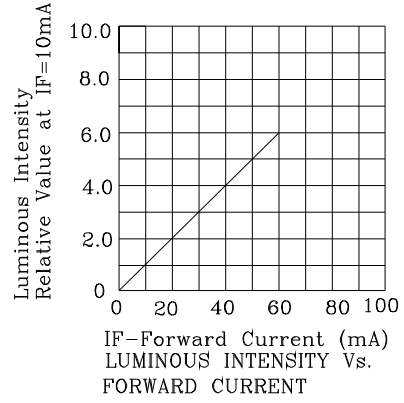
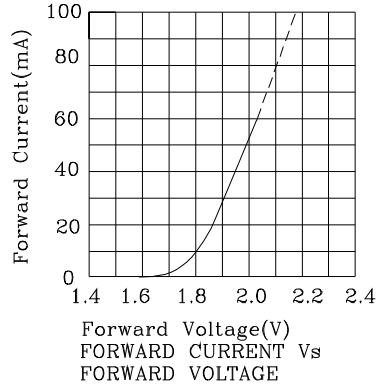
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm $\lambda$ P	Description
			min.	typ.		
XDMR06C4	Red	GaAlAs	8000	26790	660	Common Cathode



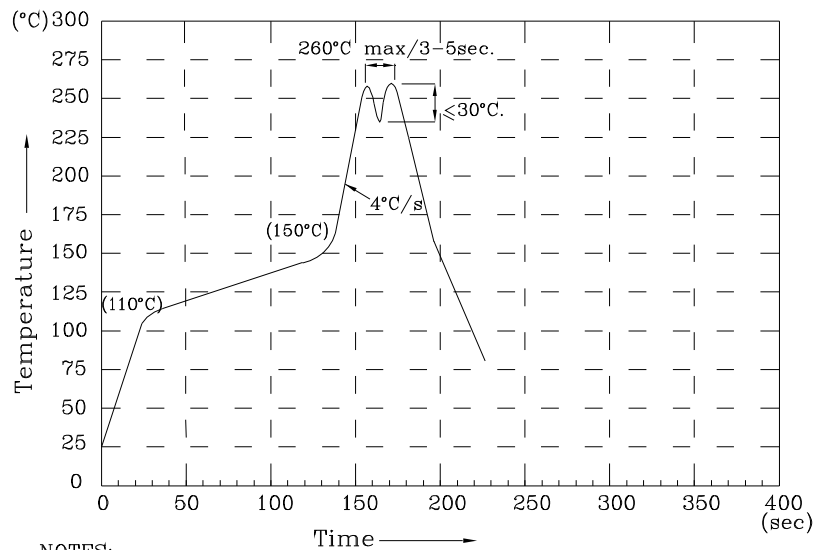
❖ MR



❖ 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:

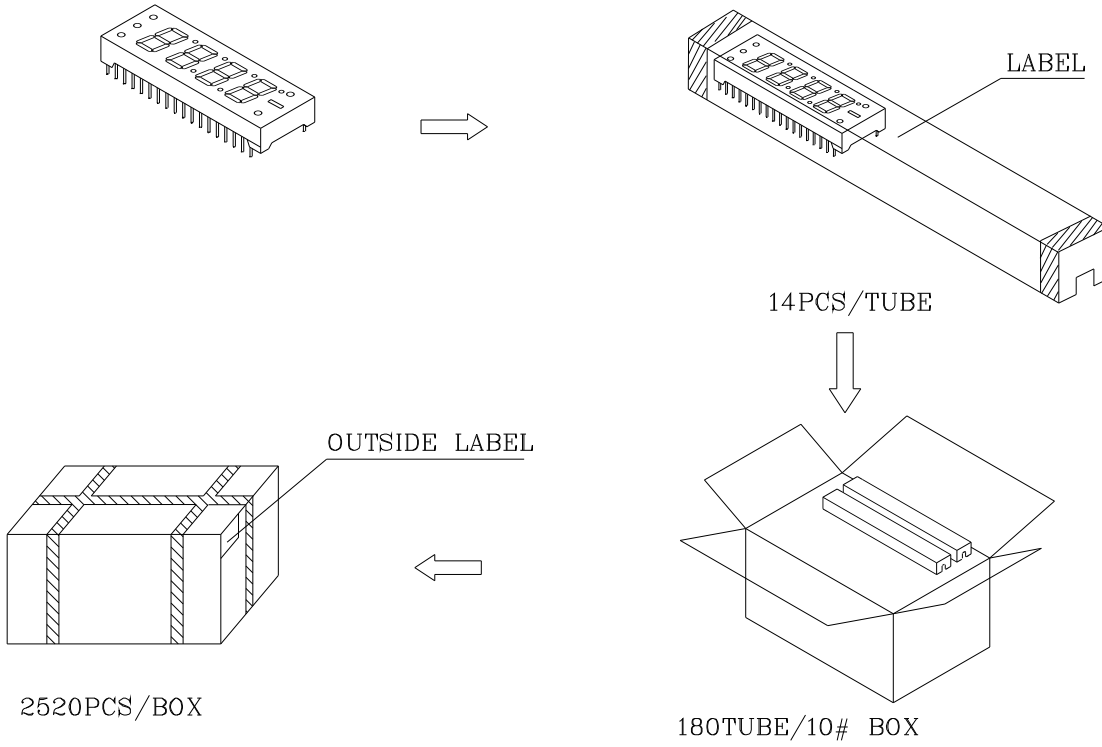
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

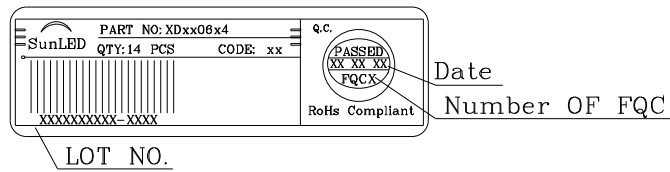
Note: Accuracy may depend on the sorting parameters.

**PACKING & LABEL SPECIFICATIONS**

**XDMR06C4**



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

