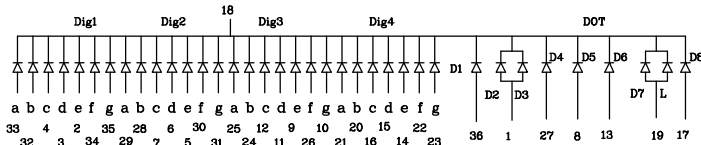
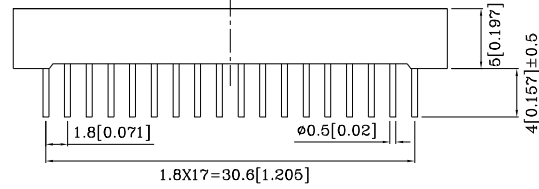
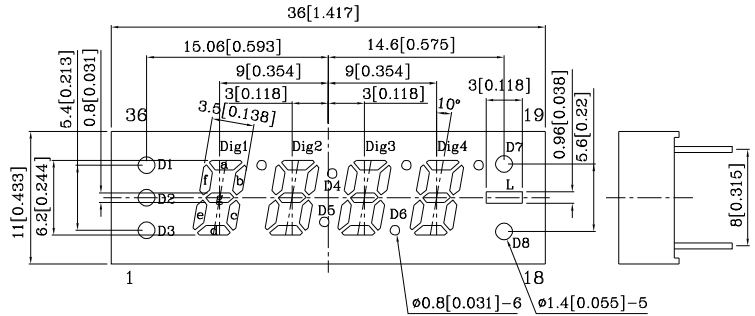


Features

- 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.



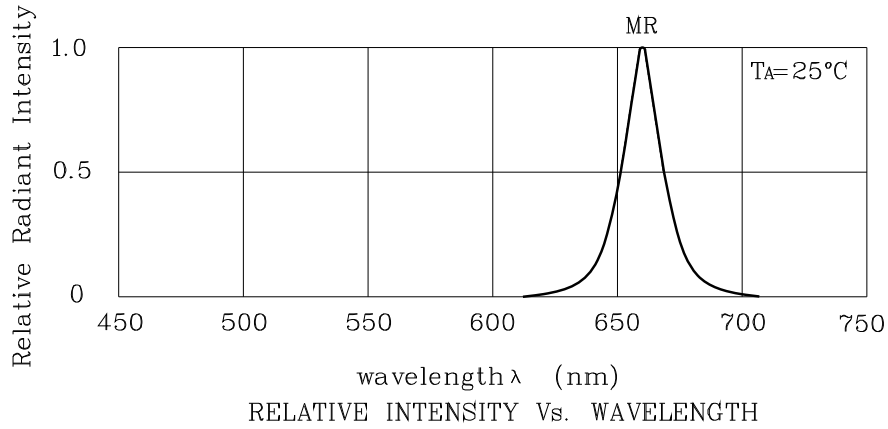
Notes:

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.

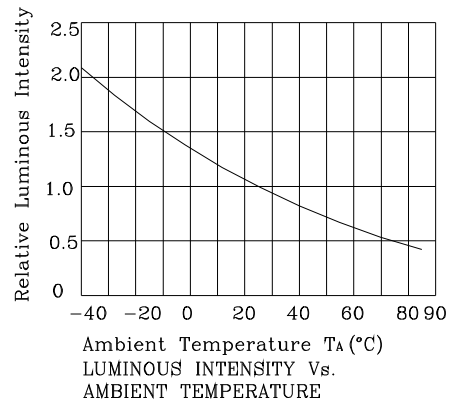
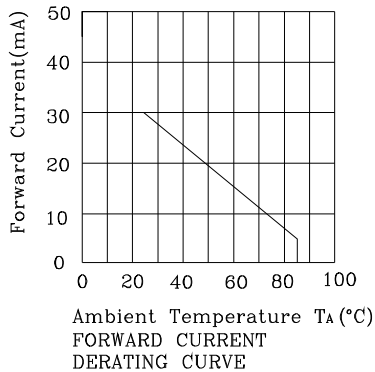
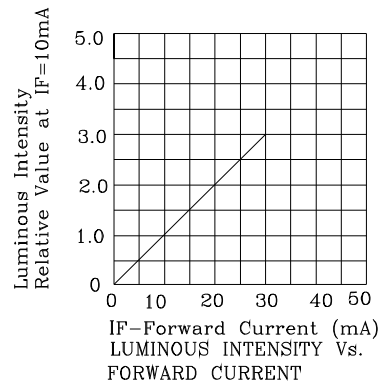
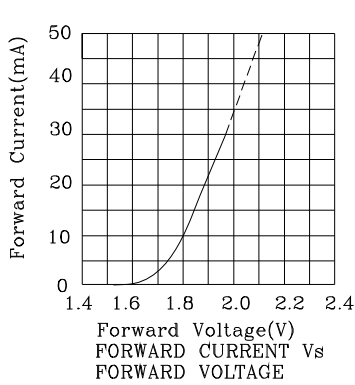
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		MR (GaAlAs)	Unit
Reverse Voltage	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V_R	5
	D2,D3,D7,L		
Forward Current	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I_F	30
	D2,D3,D7,L		60
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	i_{FS}	155
	D2,D3,D7,L		310
Power Dissipation	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	P_T	75
	D2,D3,D7,L		150
Operating Temperature	T_A	-40 ~ +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-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.) ($I_F=10\text{mA}$)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V_F	1.8
	D2,D3,D7,L		
Forward Voltage (Max.) ($I_F=10\text{mA}$)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	V_F	2.5
	D2,D3,D7,L		
Reverse Current (Max.) ($V_R=5\text{V}$)	Dig1'8,'Dig2'8,'Dig3'8,'Dig4'8' D1,D4,D5,D6,D8	I_R	10
	D2,D3,D7,L		20
Wavelength of Peak (Typ.) Emission ($I_F=10\text{mA}$)	λ_P	660	nm
Wavelength of Dominant Emission (Typ.) ($I_F=10\text{mA}$)	λ_D	640	nm
Spectral Line Full Width (Typ.) At Half-Maximum ($I_F=10\text{mA}$)	$\Delta\lambda$	25	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	45	pF

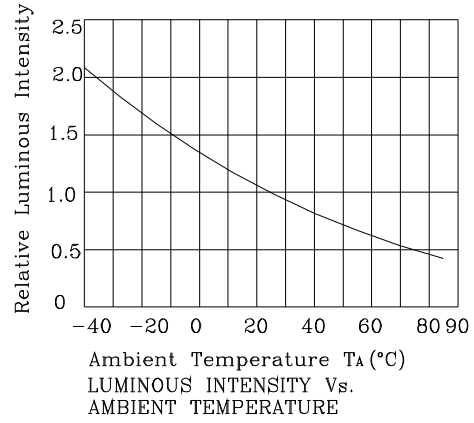
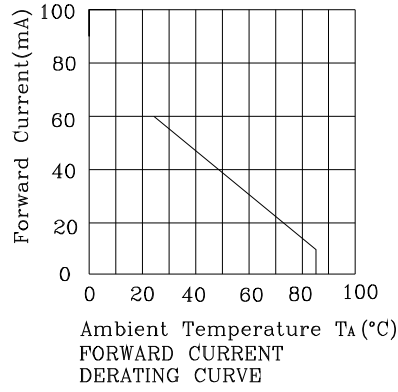
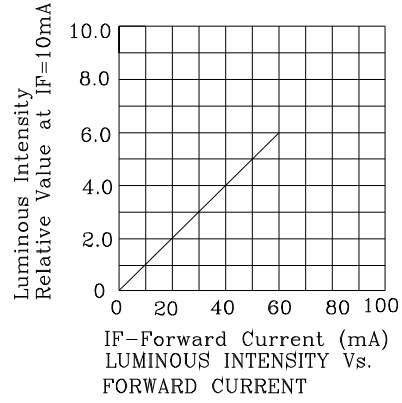
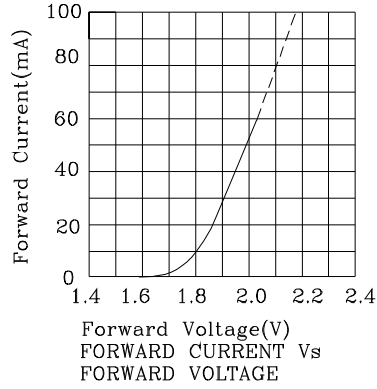
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd		Wavelength nm λ P	Description
			min.	typ.		
XDMR06C4	Red	GaAlAs	8000	26790	660	Common Cathode



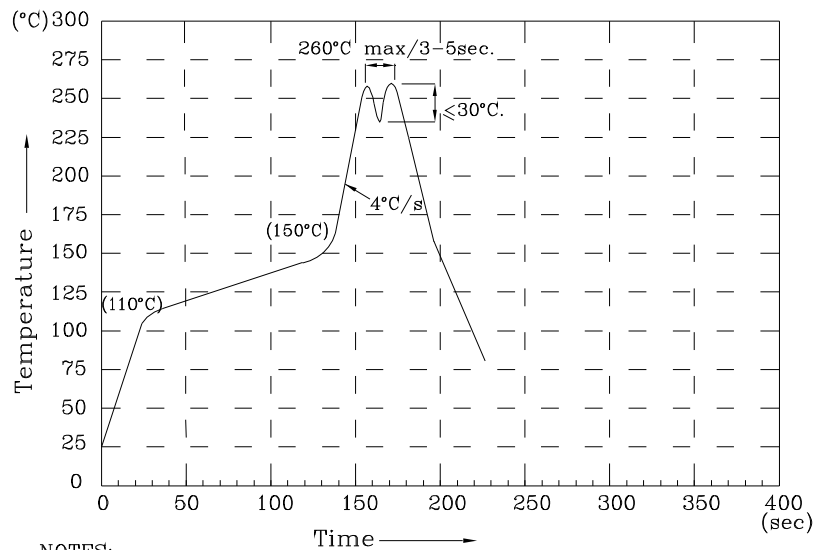
❖ MR



❖ 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:

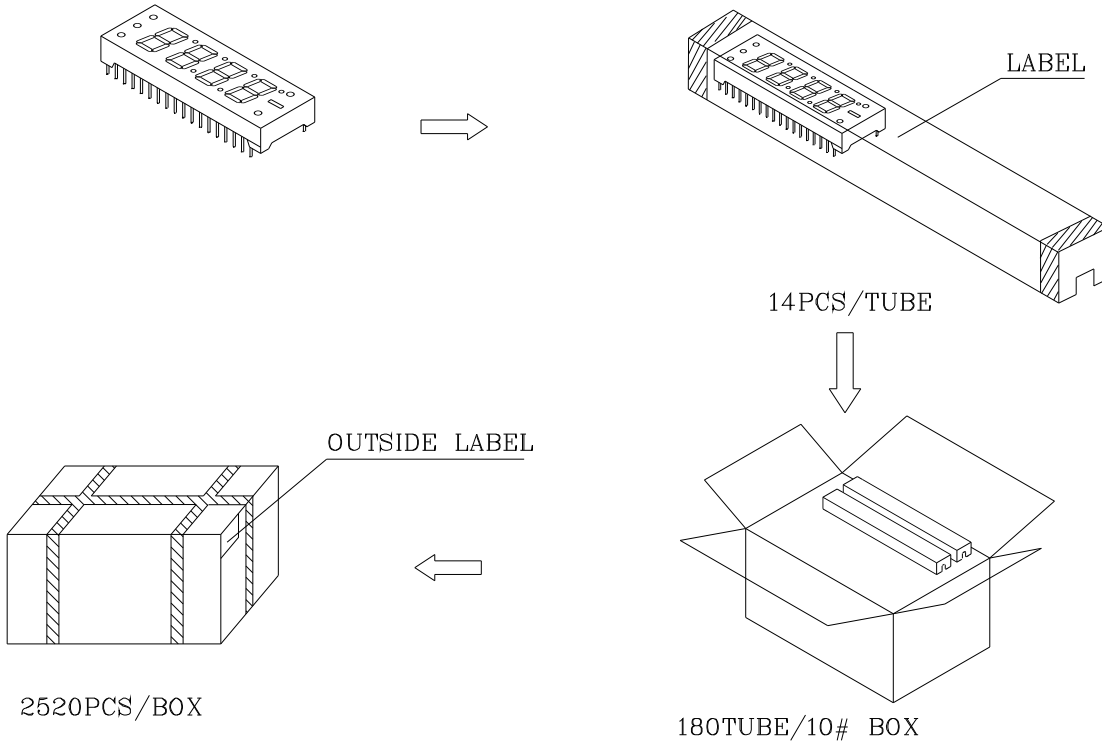
If special sorting is required (e.g. binning based on forward voltage, luminous intensity/ luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

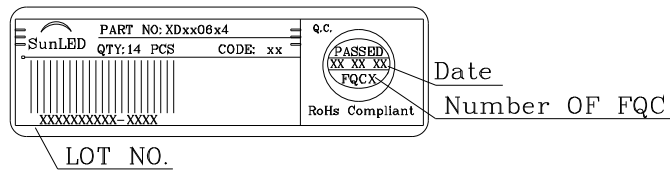
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XDMR06C4



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

