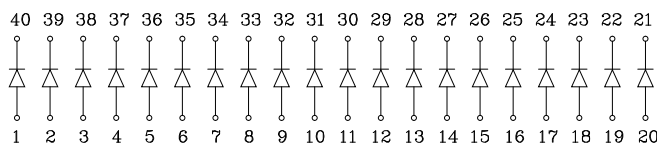
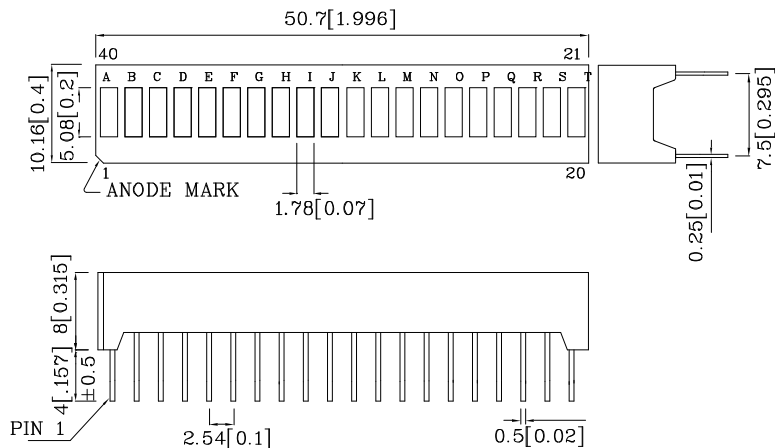


Features

- SUITABLE FOR LEVEL INDICATORS.
- LOW CURRENT OPERATION.
- EXCELLENT ON/OFF CONTRAST.
- WIDE VIEWING ANGLE.
- END STACKABLE.
- MECHANICALLY RUGGED.
- DIFFERENT COLORS IN ONE UNIT AVAILABLE.
- STANDARD: GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



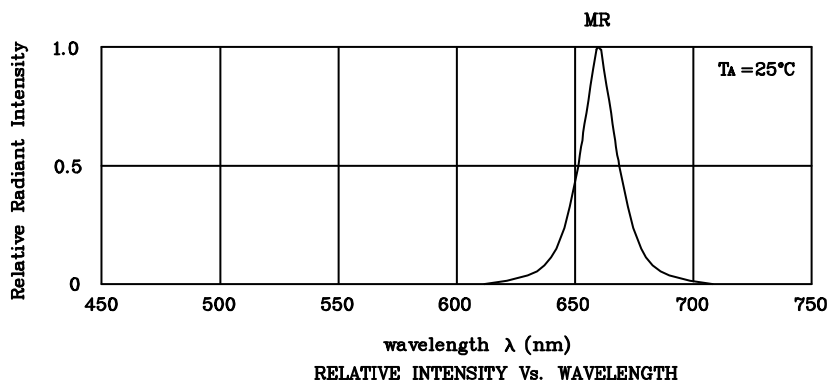
Notes:

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.

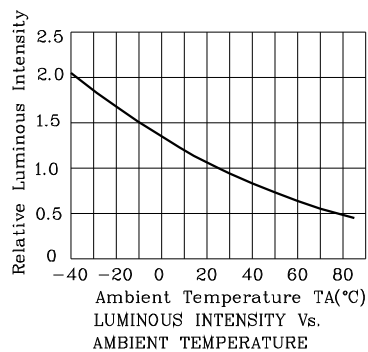
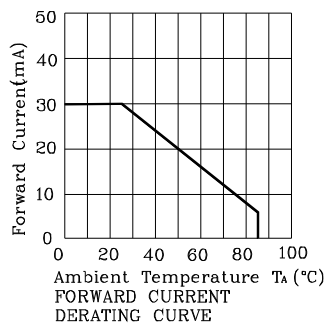
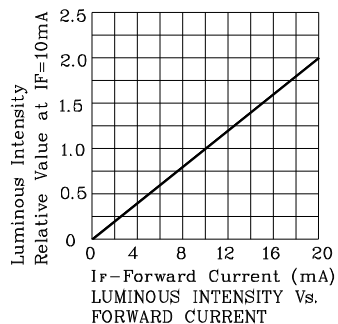
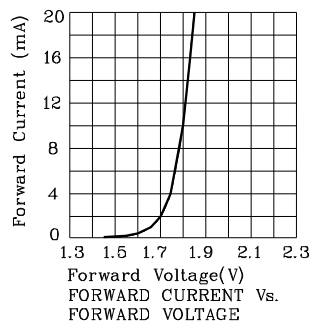
Absolute Maximum Ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	155	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		

Operating Characteristics (TA=25°C)		MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=10mA)	V _F	1.8	V
Forward Voltage (Max.) (IF=10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λ P	660	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	640	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	20	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	45	pF

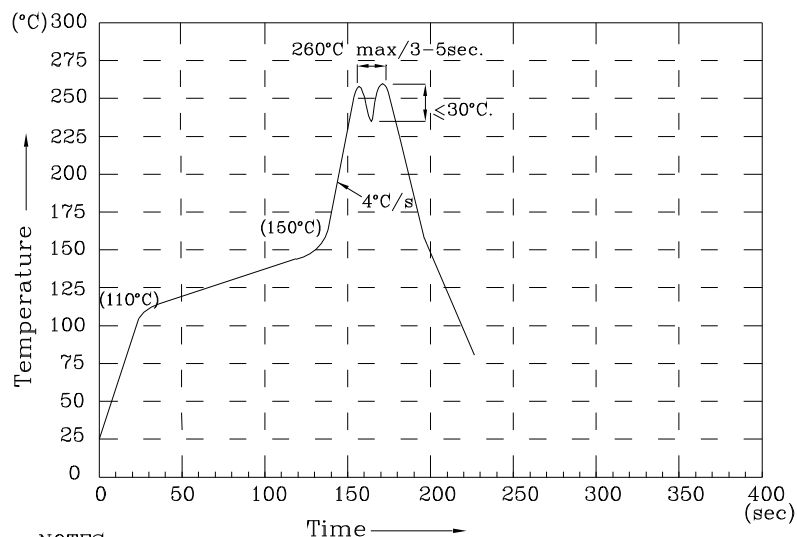
Part Number	Emitting Color	Emitting Material	Luminous Intensity (IF=10mA) ucd	Wavelength nm λ P	Description	
			min.	typ.		
GMRX20D	Red	GaAlAs	8000	30990	660	20 Segments Bargraph-Display
Published Date : MAR 13,2008		Drawing No : SDSA3718		V4	Checked : Shin Chi	P.1/4



❖ **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:

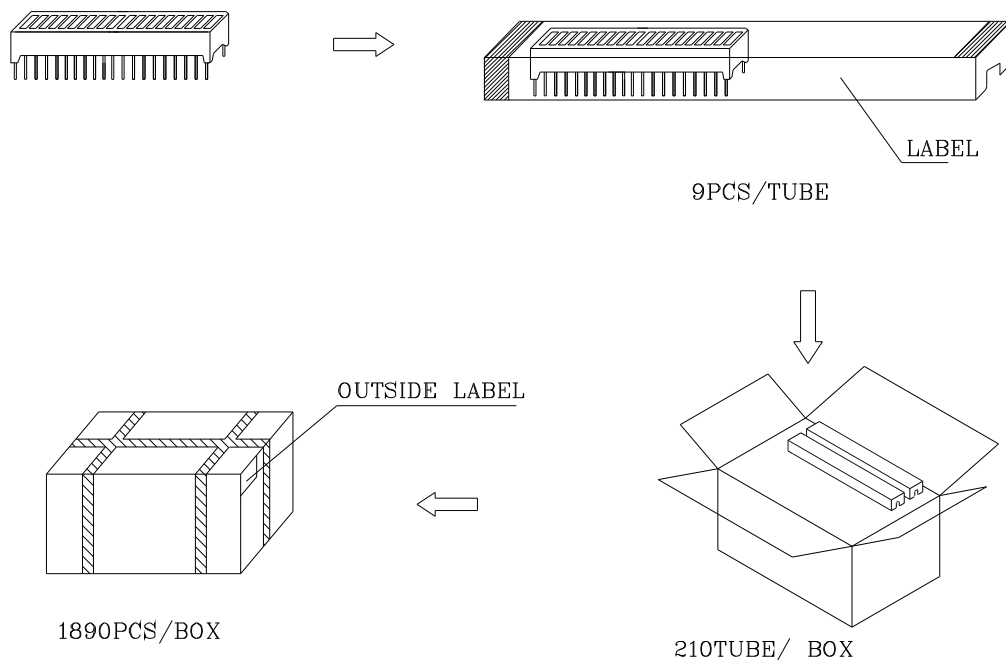
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

GMRX20D



Inside LABEL Paste On The IC-tube

SunLED	PART NO: GxxX20D	Q.C.
QTY: 9 PCS	CODE: xx	PASSED XX XX XX FQCX
XXXXXXXXXX-XXXX	RoHS Compliant	Date Number OF FQC
LOT NO.		

Outside LABEL Paste On The Box

BOX Number	xxxx	XXXX	BIN CODE
GxxX20D	1890	XX	
			Number OF QA
			Date

QA
xx xx xx
PASSED