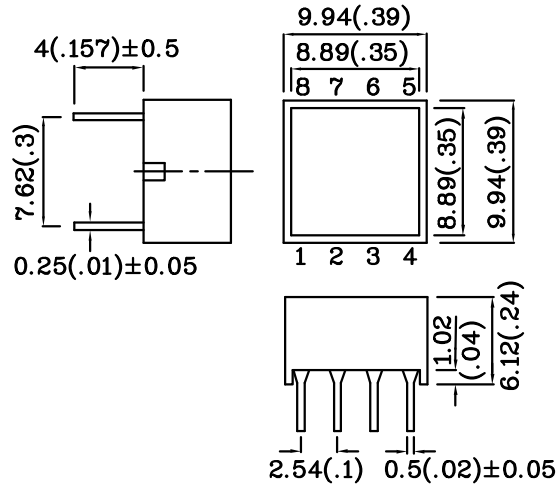
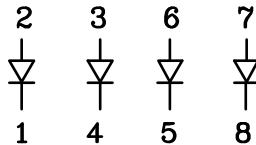


Part Number: **EMRC100M**

8.89mmx8.89mm LED LIGHT BAR

Features

- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- EXCELLENT ON/OFF CONTRAST.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- 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.

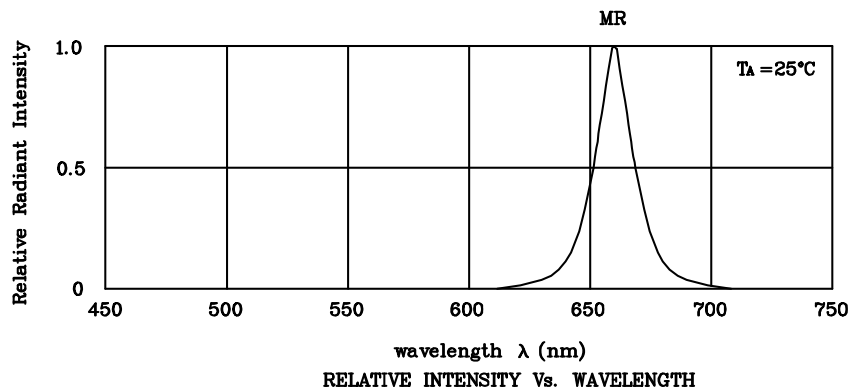
Absolute Maximum Ratings (TA=25°C)		MR (GaAlAs)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	155	mA
Power Dissipation	PT	75	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below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

Operating Characteristics (TA=25°C)		MR (GaAlAs)	Unit
Forward Voltage (Typ.) (IF=20mA)	VF	1.85	V
Forward Voltage (Max.) (IF=20mA)	VF	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength of Peak Emission (Typ.) (IF=20mA)	λP	660	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	640	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	$\Delta\lambda$	20	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	45	pF

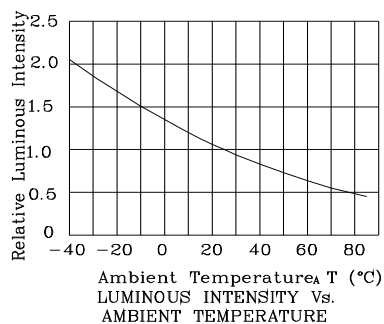
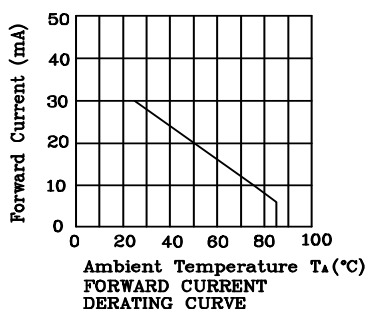
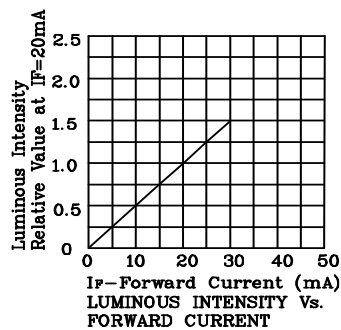
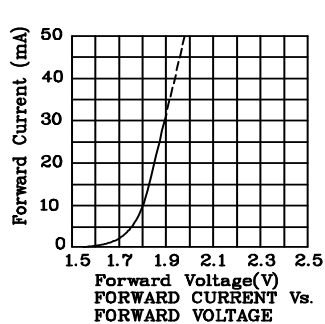
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λP
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min. typ.

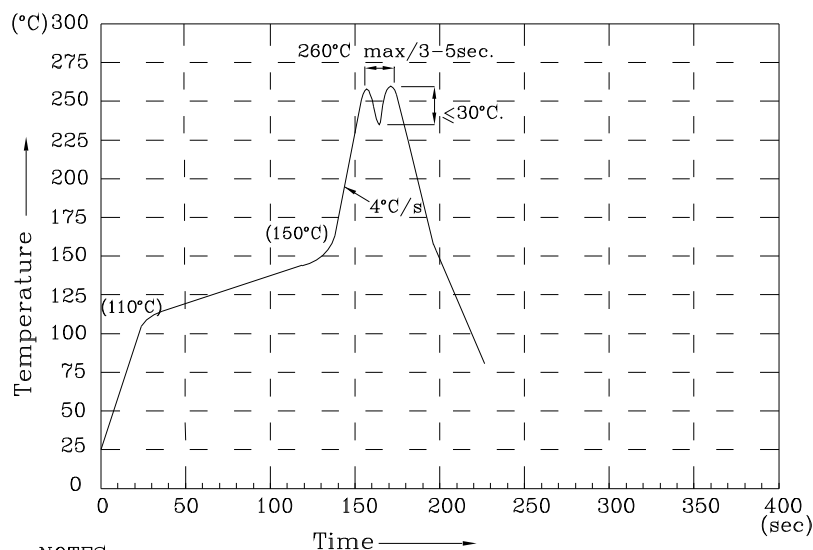
EMRC100M	Red	GaAlAs	White Diffused	50	198	660
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❖ MR



Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

1. Recommend the wave temperature $245^{\circ}\text{C} \sim 260^{\circ}\text{C}$. The maximum soldering temperature should be less than 260°C .
2. Do not apply stress on epoxy resins when temperature is over 85°C .
3. The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
4. No more than once.

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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: $\pm 1\text{nm}$
2. Luminous intensity / luminous flux: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

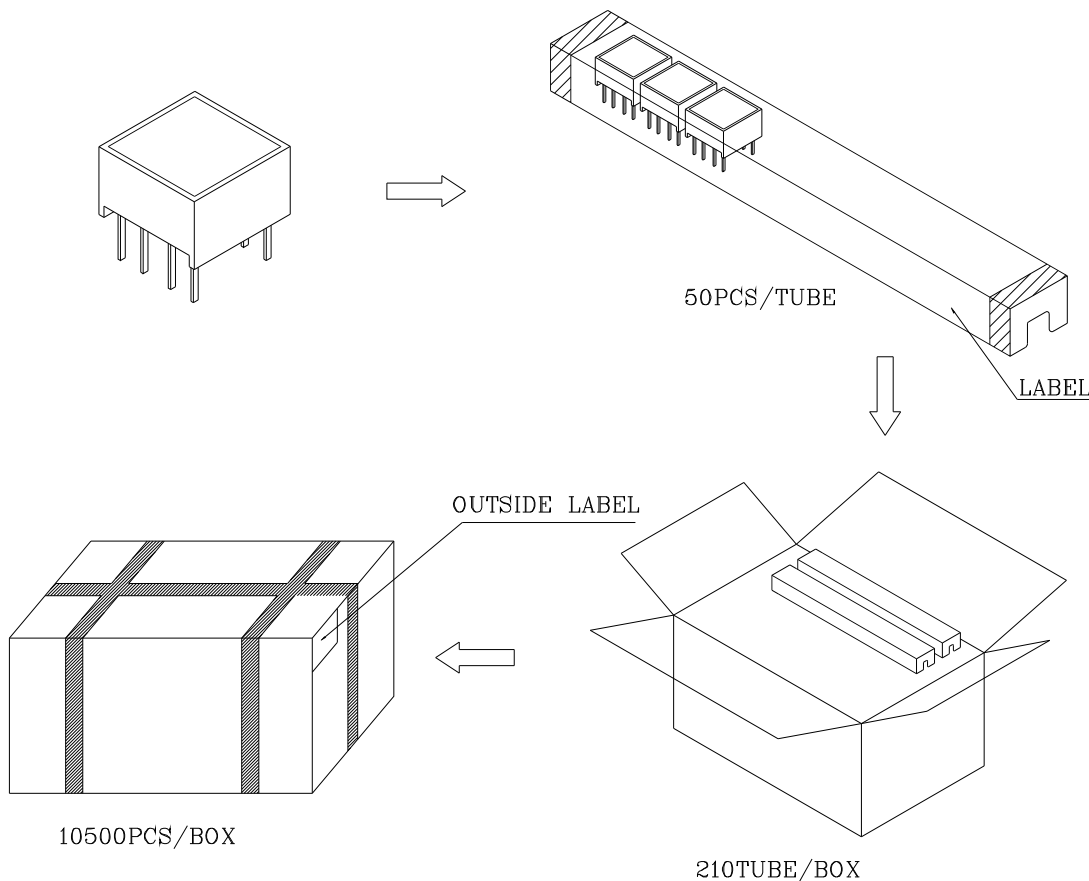
Note: Accuracy may depend on the sorting parameters.

Part Number: **EMRC100M**
8.89mmx8.89mm LED LIGHT BAR



PACKING & LABEL SPECIFICATIONS

EMRC100M



www.DataSheet4U.com

Inside LABEL Paste On The IC-tube

SunLED	PART NO: ExxC100x	Q.C.
QTY: 50 PCS	CODE: xx	PASSED
XXXXXXXXXX-XXXX		XX XX XX
LOT NO.		FQCX
RoHS Compliant		Date
		Number OF FQC

Outside LABEL Paste On The Box

BOX Number	xxxx	xxxx	BIN CODE
ExxC100x	10500	XX	
			Number OF QA
			Date
			50 QAx
			XX XX XX
			PASSED