

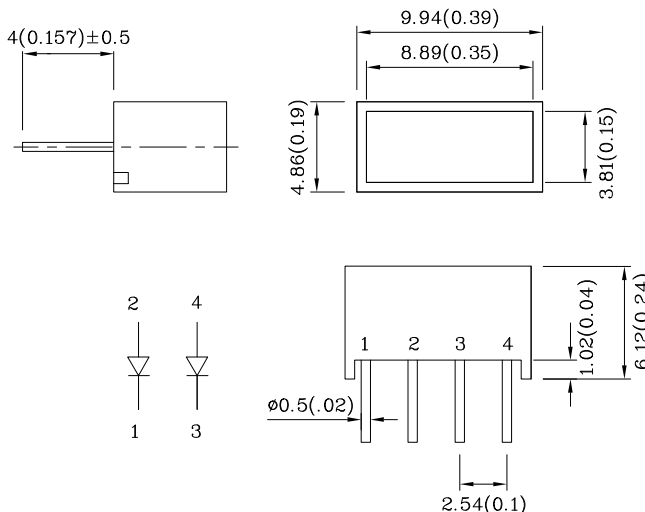
Features

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



Notes:

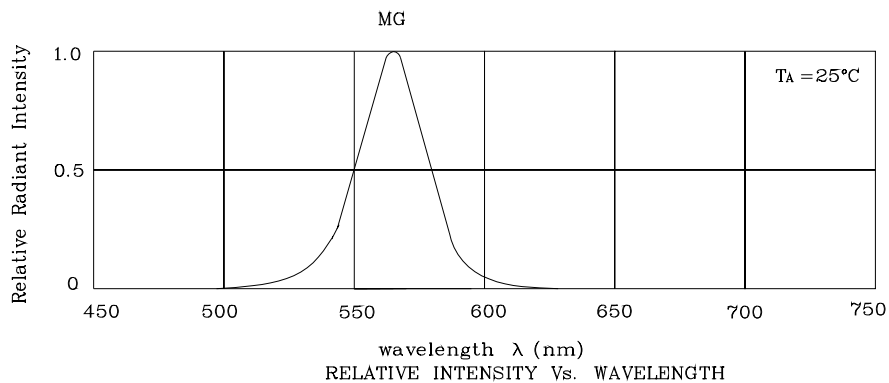
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.



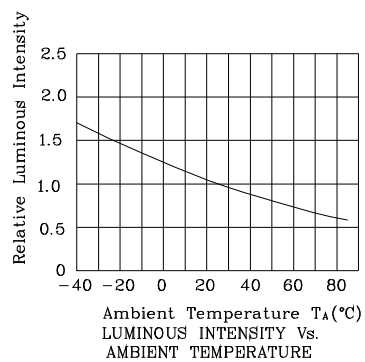
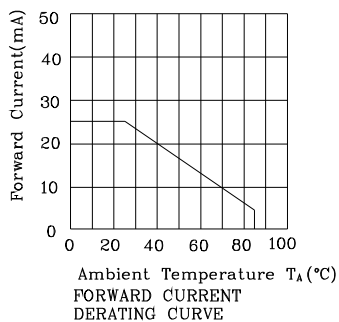
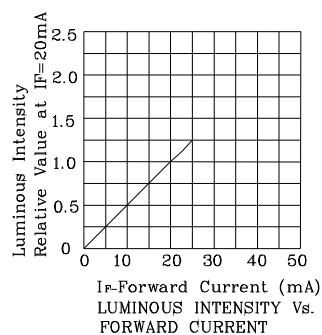
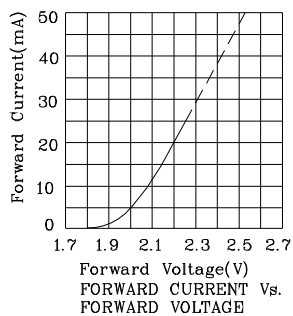
Absolute Maximum Ratings (TA=25°C)		MG (GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	IFS	140	mA
Power Dissipation	PT	62.5	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds		

Operating Characteristics (TA=25°C)		MG (GaP)	Unit
Forward Voltage (Typ.) (IF=20mA)	V _F	2.2	V
Forward Voltage (Max.) (IF=20mA)	V _F	2.5	V
Reverse Current (Max.) (VR=5V)	I _R	10	uA
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λ P	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	$\Delta\lambda$	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	pF

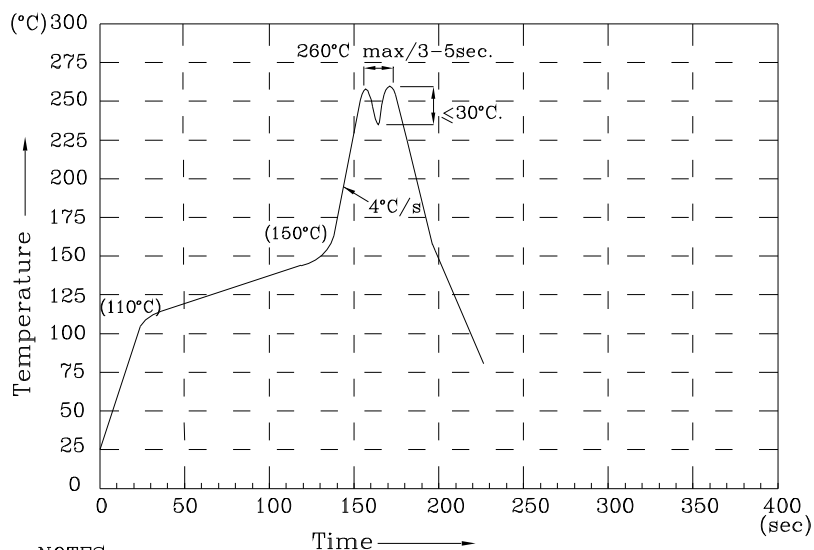
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P
				min.	typ.	
EMG2500D	Green	GaP	Green Diffused	7	39	565
Published Date : FEB 20,2008		Drawing No :SDSA3869	V3	Checked : B.L.LIU		P.1/4



❖ MG



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.

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

Note: Accuracy may depend on the sorting parameters.

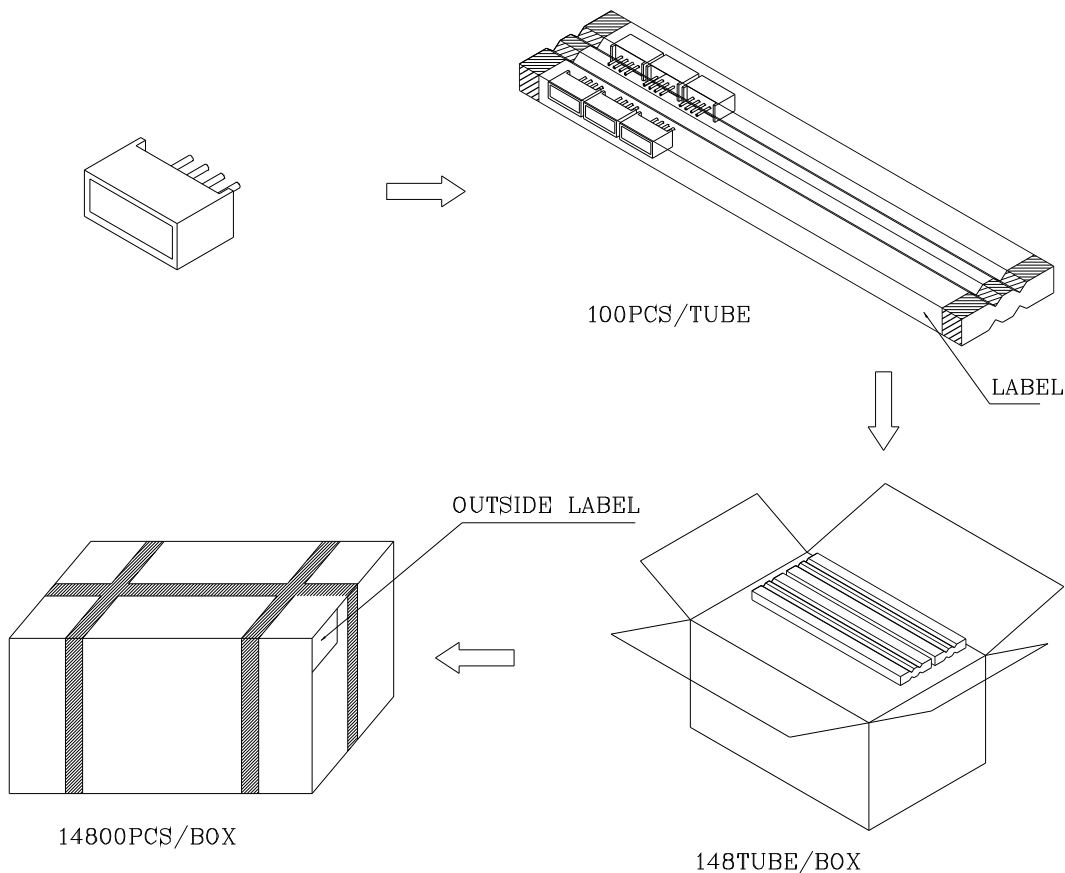
Part Number: **EMG2500D**

8.89mmx3.81mm LED LIGHT BAR



PACKING & LABEL SPECIFICATIONS

EMG2500D



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Exx2500x	Q.C.
QTY: 100 PCS	CODE: xx	PASSED XX XX XX FQCX
XXXXXXXX-XXXX		Date
LOT NO.		Number OF FQC
RoHS Compliant		

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Exx2500x	14800	XX	
Number OF QA			
Date			
QA XX XX XX PASSED			