

Part Number: **EUR2300M**

8.89mmx3.81mm LED LIGHT BAR

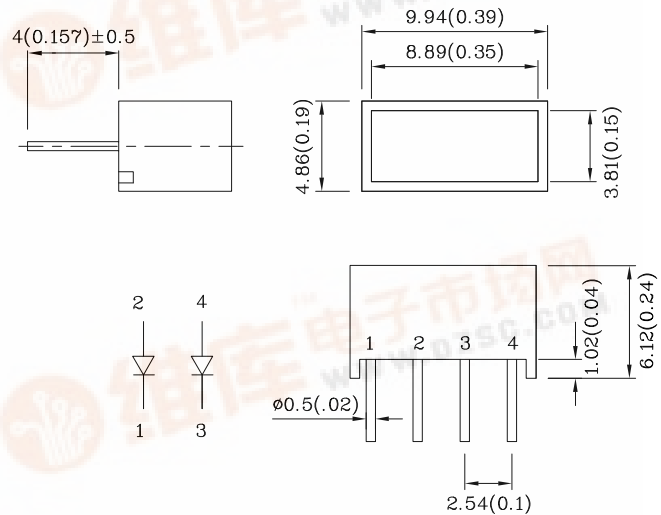
Features

- 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.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- 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)		UR (GaAsP/GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	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)		UR (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (IF=20mA)	VF	2.0	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)	λ P	627	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λ D	625	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	45	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.

EUR2300M

Red

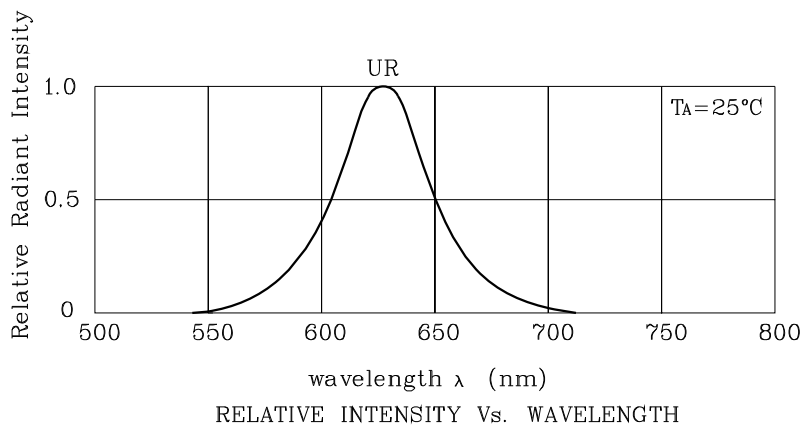
GaAsP/GaP

White Diffused

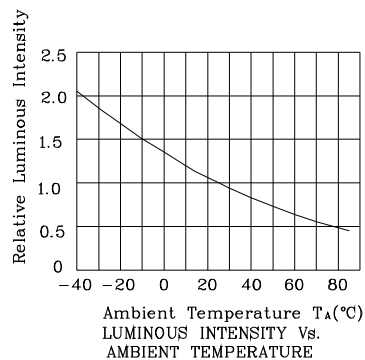
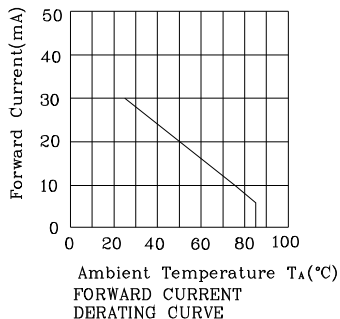
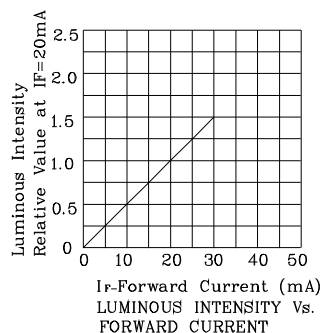
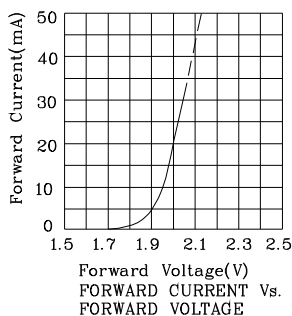
7

39

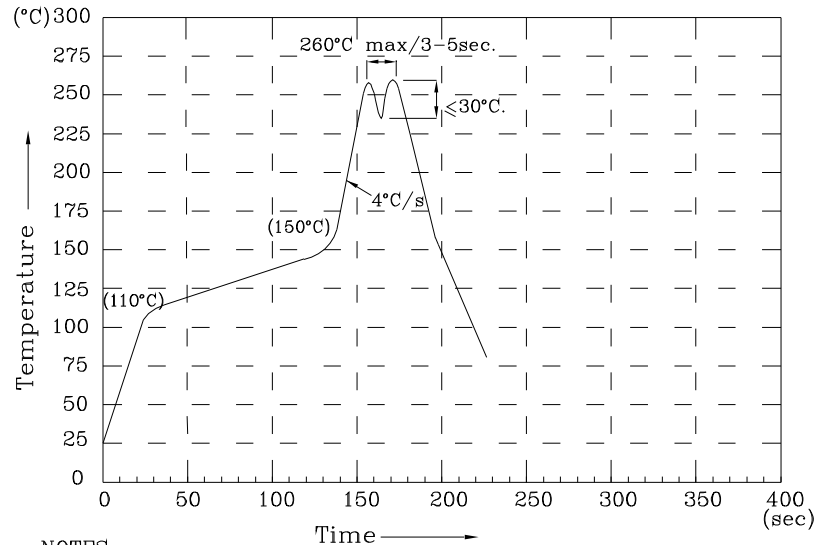
627



❖ UR



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:

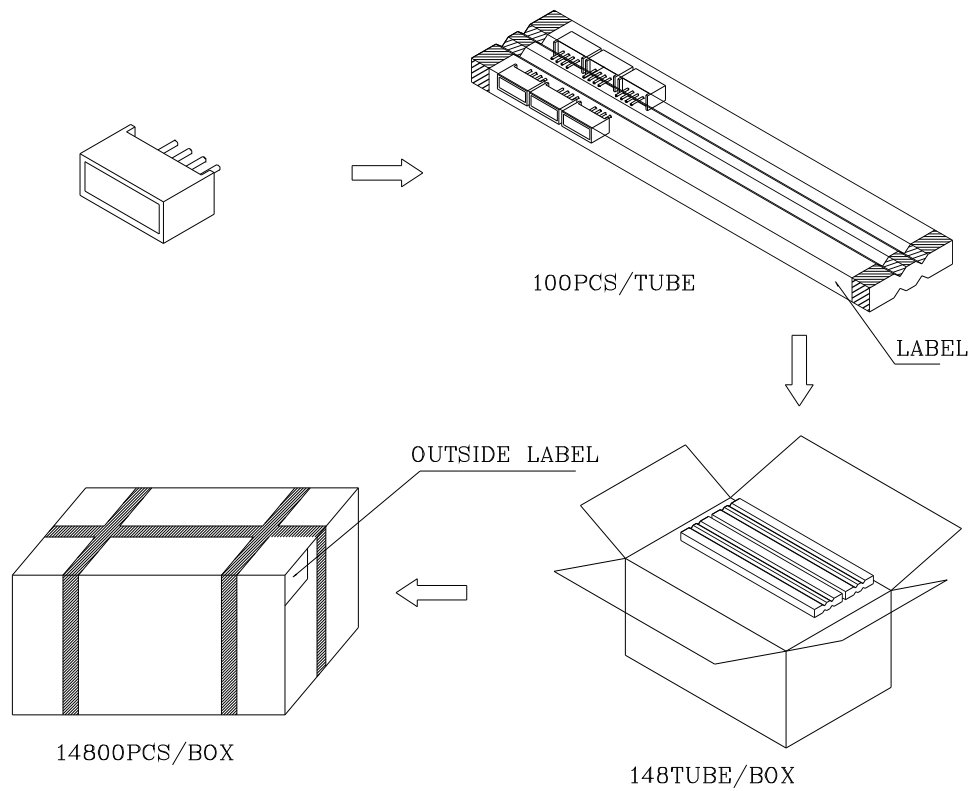
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

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

EUR2300M



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Exx2300x	Q.C.
QTY: 100 PCS	CODE: xx	PASSED XX XX XX FQCX
XXXXXXXX-XXXX	Lot No.	Date
		Number OF FQC

Outside LABEL Paste On The Box

BOX Number	xxxx	xxxx	BIN CODE
Exx2300x	14800	XX	
			Number OF QA
			Date

QA
XX XX XX
PASSED