



5mmx16mm LIGHT BAR

PRELIMINARY SPEC

Features

- UNIFORM LIGHT EMITTING AREA.
- EASILY MOUNTED ON P.C. BOARDS OR INDUSTRY STANDARD SOCKETS.
- FLUSH MOUNTABLE.
- EXCELLENT ON/OFF CONTRAST.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- MECHANICALLY RUGGED.
- I.C. COMPATIBLE.
- BOTTOM SURFACE OF EPOXY IS NOT FLAT.
- RoHS COMPLIANT.

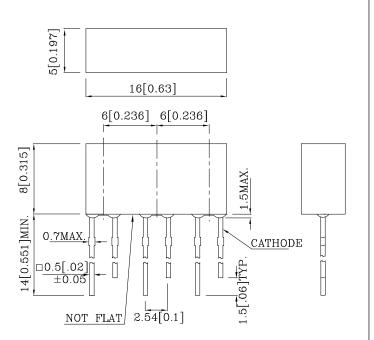




Notes:

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

Absolute Maximum Ratings (TA=25°C)		UY (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	140	mA	
Power Dissipation	Рт	75	mW	
Operating Temperature	TA	-40 ~ +85	°C	
Storage Temperature	Tstg	-40 ~ +85	30	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds			
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds			

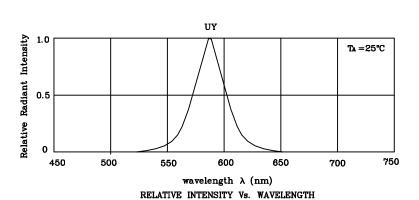


Operating Characteristic (TA=25°C)	UY (GaAsP/GaP)	Unit	
Forward Voltage (Typ.) (IF=10mA)	VF	1.95	V
Forward Voltage (Max.) (IF=10mA)	VF	2.5	V
Reverse Current (Max.) (V _R =5V)	IR	10	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λΡ	590	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λ D	588	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	Δλ	35	nm
Capacitance (Typ.) (Vr=0V, f=1MHz)	С	20	pF

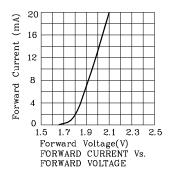
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=10mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
EUY23D	Yellow	GaAsP/GaP	Yellow Diffused	1.8	3.8	590	120°
Published Date : N	MAR 20,.2008	Drawing l	No :SDSA3734	V4	Checked	l : B.L.LIU	P.1/4

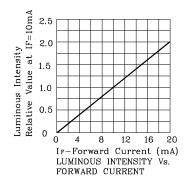


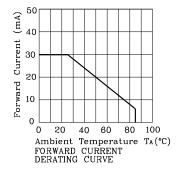
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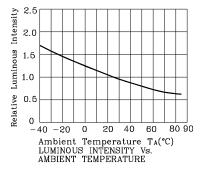


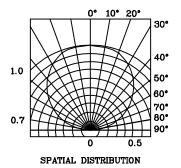
♦ UY







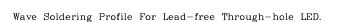


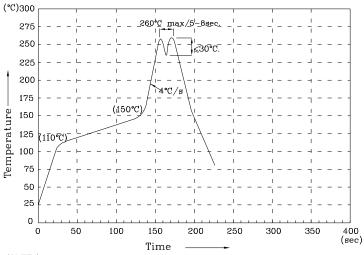


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NOTES:

- 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 $^{\circ}\text{C}.$
- 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.



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PACKING & LABEL SPECIFICATIONS

EUY23D



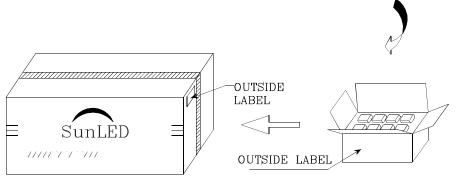








300PCS /BOARD



7.2K/BOX

900PCS/BOX



P/NO:Exx23x

QTY: 300 pcs

CODE: XXX

S/N : XX

LOT NO:



RoHS Compliant

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