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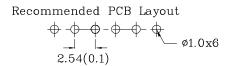
6.8mmx19.9mm LIGHT BAR

Features

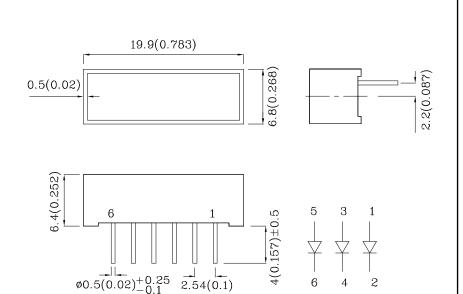
- Robust package
- Uniform light disbursement
- Ideal for backlighting logos or icons
- Excellent for flush mounting
- RoHS compliant







Package Schematics



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.

2. Specifications are subject to change without notice.

Absolute Maximum Ratings (T_A =25°C)	Red (GaAlAs)	Unit		
Reverse Voltage	V_{R}	5	V	
Forward Current	I_{F}	30	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	155	mA	
Power Dissipation	P_D	75	mW	
Operating Temperature	T_{A}	-40 ~ +85	°C	
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

Operating Characteristics (T _A =25°C)		Red (GaAlAs)	Unit
Forward Voltage (Typ.) (I _F =20mA)	V_{F}	1.85	V
Forward Voltage (Max.) (I _F =20mA)	V_{F}	2.5	V
Reverse Current (Max.) $(V_R=5V)$	I_R	10	uA
Wavelength of Peak Emission CIE127-2007* (Typ.) (I _F =20mA)	λР	655*	nm
Wavelength of Dominant Emission CIE127-2007* (Typ.) $(I_F=20\text{mA})$	λD	640*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =20mA)	Δλ	20	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	45	pF

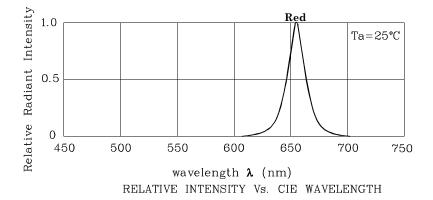
Part Number	Emitting Color	Emitting Material	Luminous Intensity CIE127-2007* $(I_F=20mA) \text{ mcd}$		Wavelength CIE127-2007* nm λP	Lens-color
			min.	typ.		
XEMR30D	Red	GaAlAs	120 40*	268 74*	655*	Red Diffused

^{*}Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

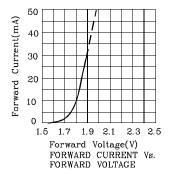
Oct 18,2016

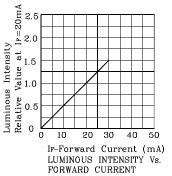


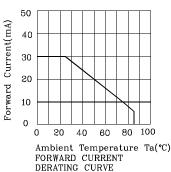


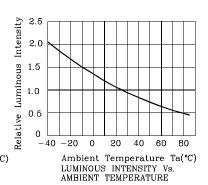


❖ Red

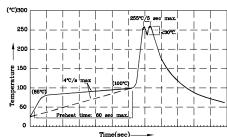








Wave Soldering Profile for Thru-Hole Products (Pb-Free Components)



- ore-heat temperature of 105°C or less (as measured attached to the LED pins) prior to immersion in the maximum solder bath temperature of 260°C
- not apply stress to the epoxy resin while the temperature is above 85°C. tures should not incur stress on the component when mounting and
- Adving soldering process

 SAC 305 solder alloy is recommended.

 6.No more than one wave soldering pass.

 7.During wave soldering, the PCS top-surface temperature should be kept below 105°C.

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:

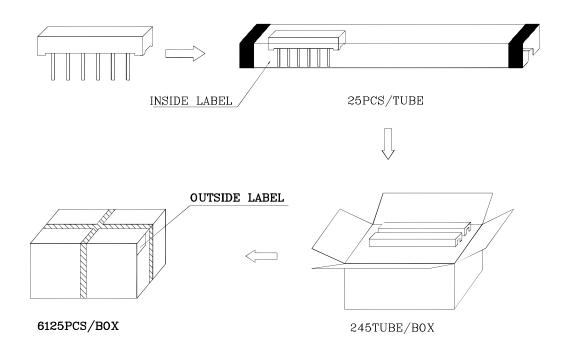
- 1. Wavelength: +/-1nm
- 2. Luminous Intensity / Luminous Flux: +/-15%
- 3. Forward Voltage: +/-0.1V

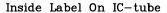
Note: Accuracy may depend on the sorting parameters.

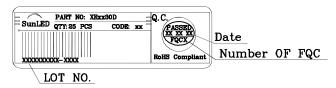




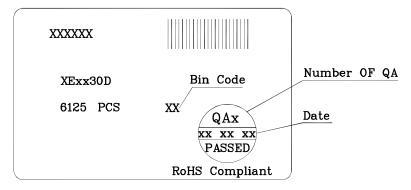
PACKING & LABEL SPECIFICATIONS







Outside Label On Box



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