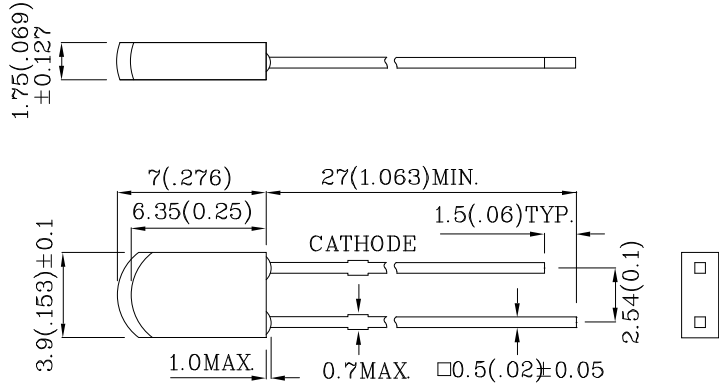


Features

- LOW POWER CONSUMPTION.
- ROUNDED END RECTANGULAR SHAPE
- LONG LIFE - SOLID STATE RELIABILITY.
- I.C. COMPATIBLE.
- RoHS COMPLIANT.



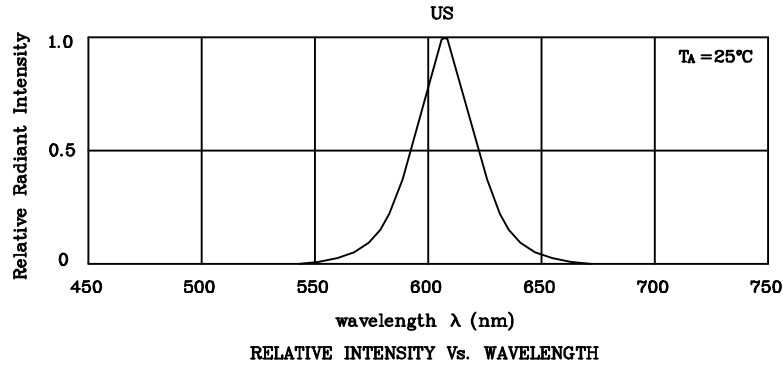
Notes:

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

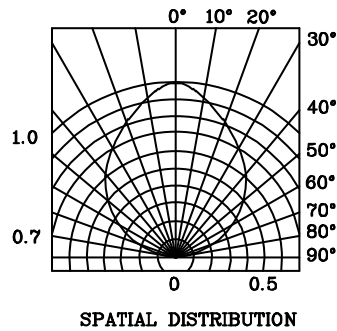
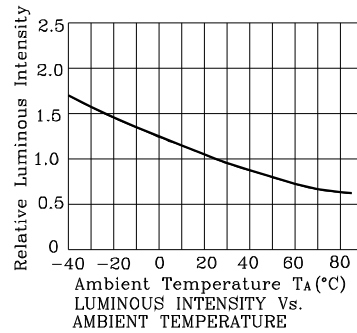
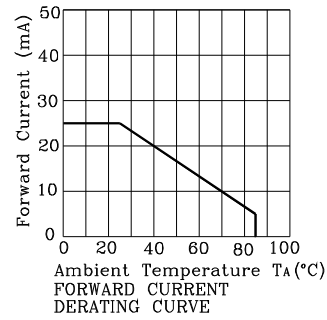
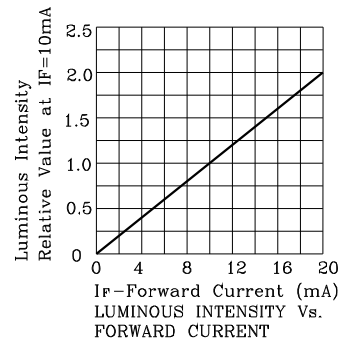
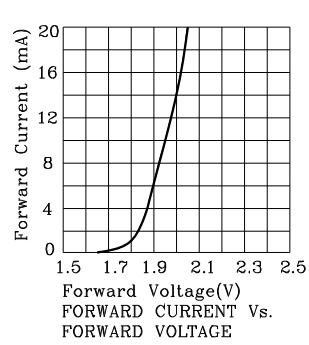
Absolute Maximum Ratings (TA=25°C)		US (GaAsP/GaP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	145	mA
Power Dissipation	P _T	62.5	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

Operating Characteristics (TA=25°C)		US (GaAsP/GaP)	Unit
Forward Voltage (Typ.) (I _F =10mA)	V _F	1.95	V
Forward Voltage (Max.) (I _F =10mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength Of Peak Emission (Typ.) (I _F =10mA)	λ _P	607	nm
Wavelength Of Dominant Emission (Typ.) (I _F =10mA)	λ _D	610	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =10mA)	Δλ	35	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	pF

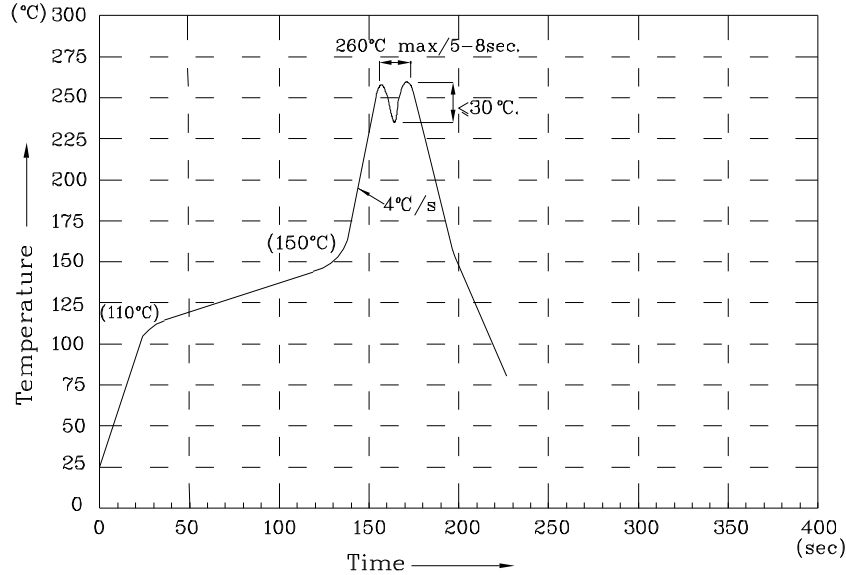
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =10mA) mcd		Wavelength nm λ _P	Viewing Angle 2θ 1/2
				min.	typ.		
XSUS73D	Orange	GaAsP/GaP	Orange Diffused	5	7	607	100°
Published Date : JAN 16,2008		Drawing No : XDSA2443		V4	Checked : B.L.LIU		P.1/4



❖ US



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:

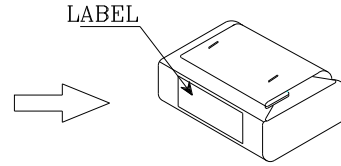
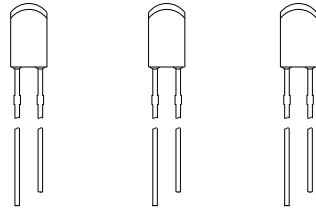
If special sorting is required (e.g. binning based on forward voltage, luminous intensity / luminous flux or wavelength), the typical accuracy of the sorting process is as follows:

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

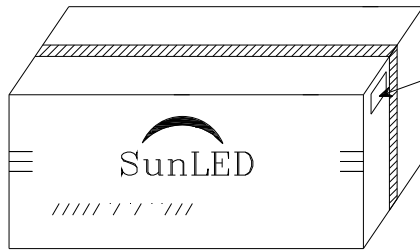
Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

XSUS73D

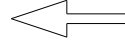


1000 PCS/Bag

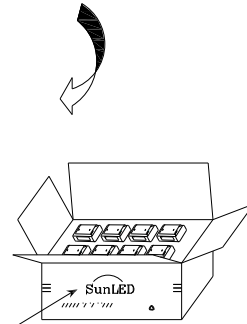


50K/BOX


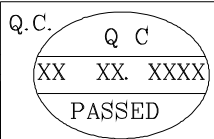
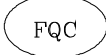

OUTSIDE LABEL



OUTSIDE LABEL



25K/BOX

		
P/NO : XSxx73x		
QTY : 1000 pcs	CODE: XXX	
S/N : XX		
LOT NO:	 XXXXXXXXXXXXXXXXXXXXXXXX	
RoHS Compliant		