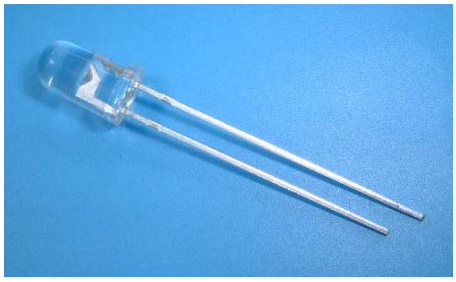
Technical Data Sheet

7343-2SURC/H2/S530-AX



Features

- Popular T-1 3/4package.
- High efficiency.
- General purpose leads.
- Selected minimum intensities.
- Available on tape and reel.
- Pb free .

Descriptions

- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities, epoxy colors ,etc.
- Superior performance in outdoor environment.

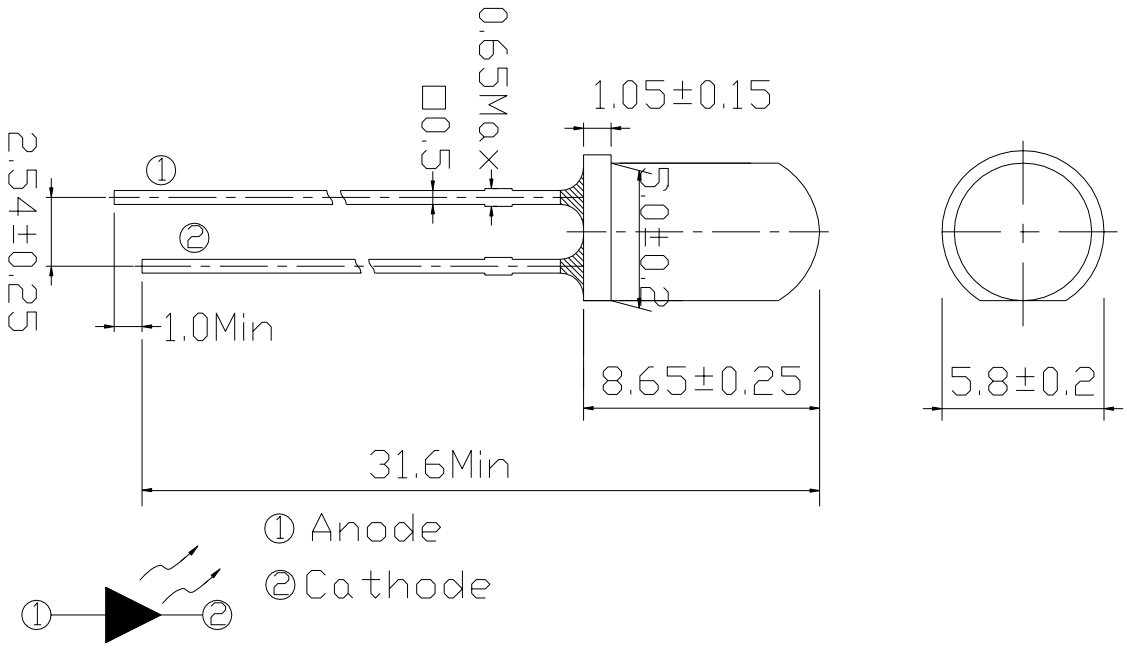
Applications

- Status indicators.
- Commercial use.
- Advertising Signs.

Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
7343-2SURC/H2/S530-AX	AlGaInP	Hyper Red	Water Clear
7343-2SURC/H2/S530-AX			
7343-2SURC/H2/S530-AX			

Package Dimensions



Notes:

- All dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Lead spacing is measured where the lead emerges from the package.
- Protruded resin under flange is 1.5mm Max LED.

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Units
Forward Current	I_F	25	mA
Pulse Forward Current (Duty1/10@ 1KHz)	I_{FP}	60	mA
Operating Temperature	T_{opr}	-40 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Electrostatic Discharge	ESD	2000	V
Soldering Temperature	T_{sol}	260 ±5	℃
Power Dissipation	P_d	60	mW
Reverse Voltage	V_R	5	V

Notes: Soldering time≦5 seconds.

Electro-Optical Characteristics (Ta=25℃)

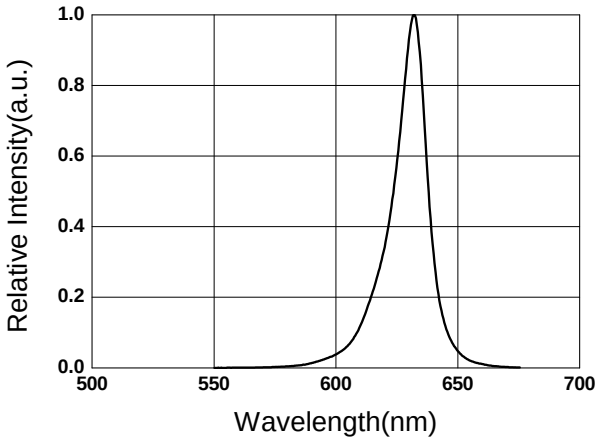
Parameter	Symbol	Chip Rank	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	Iv	A3	400	630	-----	mcd	IF=20mA
		A4	500	800	-----		
		A5	630	1000	-----		
Viewing Angle	$2\theta_{1/2}$	-----	-----	30	-----	deg	
Peak Wavelength	λ p	-----	-----	632	-----	nm	
Dominant Wavelength	λ d	-----	-----	624	-----	nm	
Spectrum Radiation Bandwidth	$\triangle\lambda$	-----	-----	20	-----	nm	
Forward Voltage	V_F	-----	-----	2.0	2.4	V	
Reverse Current	I_R	-----	-----	-----	10	μA	VR=5V

7343-2SURC/H2/S530-AX

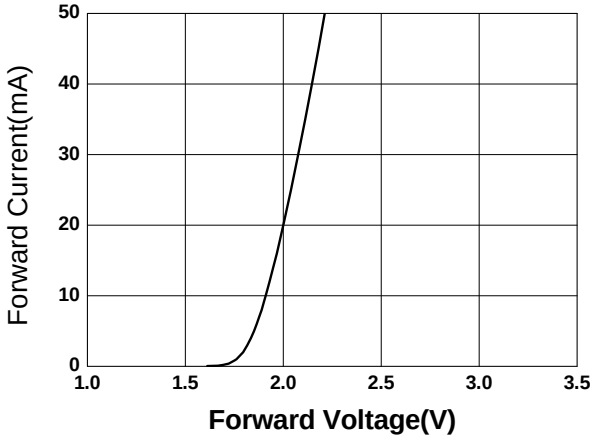
Chip Rank

Typical Electro-Optical Characteristics Curves

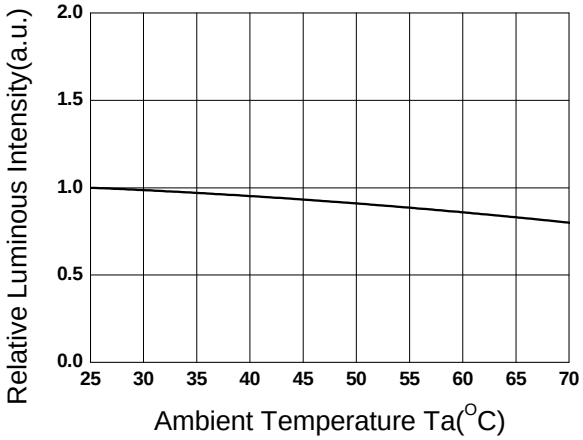
Relative Intensity vs. Wavelength



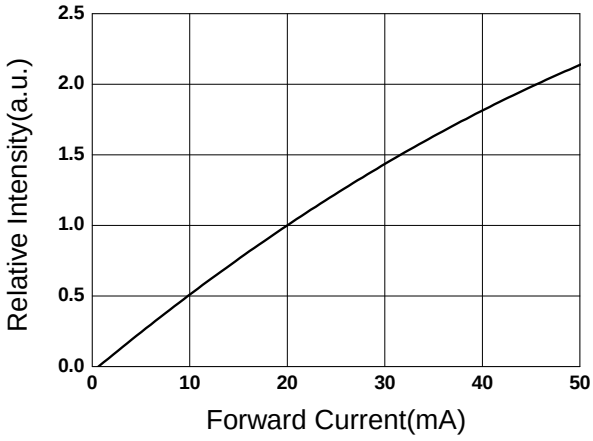
Forward Current vs. Forward Voltage



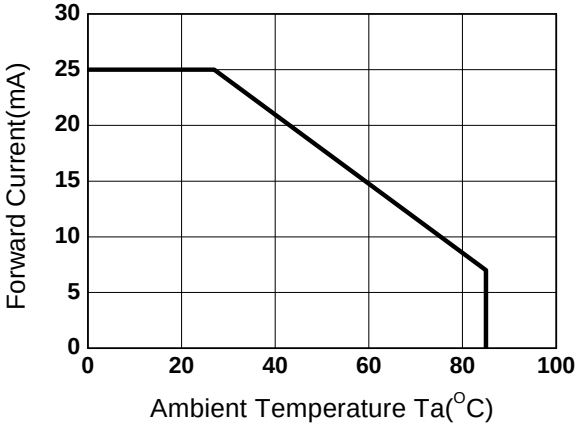
Relative Intensity vs. Ambient Temp



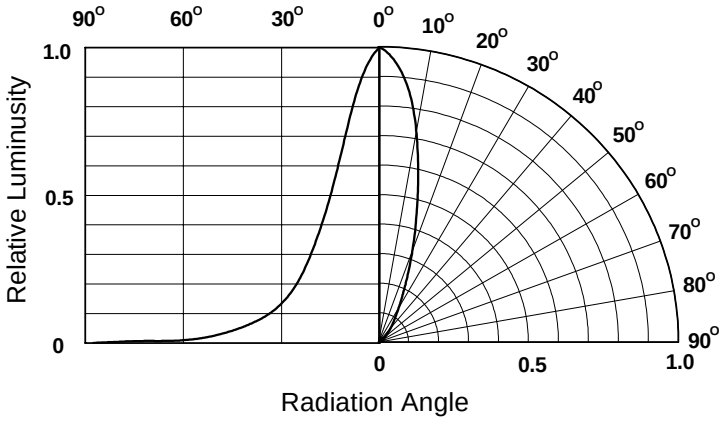
Forward Current vs. Relative Intensity



Forward Current vs. Ambient Temp.



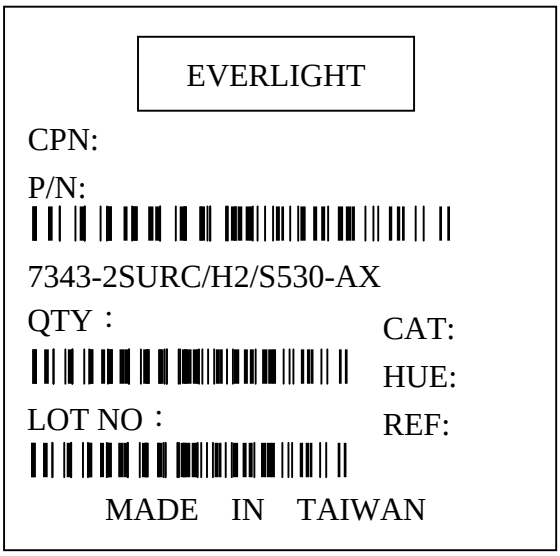
Radiation Characteristics



Packing Quantity Specification

1. 500 PCS/1 Anti ESD Bag
2. 5 Anti ESD Bags /1 Box
3. 10 Boxes/1 Carton

Label Form Specification



CPN: Customer's Production Number
P/N : Production Number
7343-2SURC/H2/S530-AX:Production name
QTY: Packing Quantity
CAT: Ranks of Luminous and Forward Voltage
HUE: Ranks of Dominant Wavelength
REF: Reference
LOT No: Lot Number
MADE IN TAIWAN: Production Place

Notes

1. Above specification may be changed without notice. EVERLIGHT will reserve authority on material change for above specification.
2. When using this product, please observe the absolute maximum ratings and the instructions for using outlined in these specification sheets. EVERLIGHT assumes no responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.
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