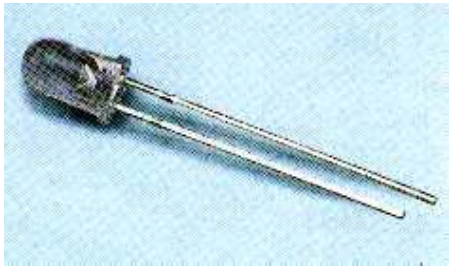
EVERLIGHT ELECTRONICS CO.,LTD.

Technical Data Sheet

Light Emitting Diode (5 mm Round LED,T-1 3/4)

7343-2SURC/S400-AX



Features

- Popular T-1 3/4 diameter package.
- Choice of various viewing angles.
- Reliable and robust.
- Pb free
- The product itself will remain within RoHS compliant version.

Descriptions

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

Applications

- TV set.
- Monitor.
- Telephone.
- Computer.

Device Selection Guide

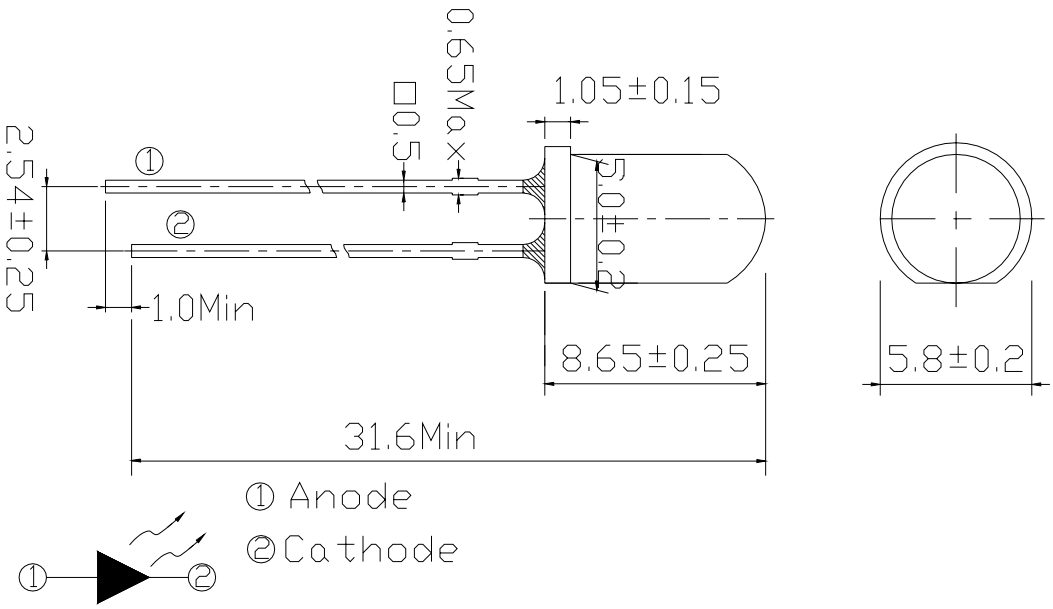
Chip		Lens Color
Material	Emitted Color	
AlGaInP	Hyper Red	Water Clear

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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	50	mA
Pulse Forward Current*1	I_{FP}	200	mA
Operating Temperature	T_{opr}	-40 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Electrostatic Discharge	ESD	2000	V
Soldering Temperature*2	T_{sol}	260 ±5	℃
Power Dissipation	P_d	120	mW
Reverse Voltage	V_R	5	V

Notes: *1:I_{FP} Conditions--Pulse Width≦10msec and Duty≦1/10.

*2:Soldering time≦5 seconds.

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Electro-Optical Characteristics (Ta=25℃)

Parameter	Symbol	Condition	Chip Rank	Min.	Typ.	Max.	Units
Forward Voltage	V_F	I_F=20mA	--	--	2.0	2.4	V
Reverse Current	I_R	V_R=5V	--	--	--	10	μA
Luminous Intensity	I_V	I_F=20mA	A6	1000	1600	--	mcd
			A7	1250	2000	--	
			A8	1600	2500	--	
Viewing Angle	2θ 1/2	I_F=20mA	--	--	25	--	deg
Peak Wavelength	λ p	I_F=20mA	--	--	632	--	nm
Dominant Wavelength	λ d	I_F=20mA	--	--	624	--	nm
Spectrum Radiation Bandwidth	Δ λ	I_F=20mA	--	--	20	--	nm

***7343-2SURC/S400-AX**

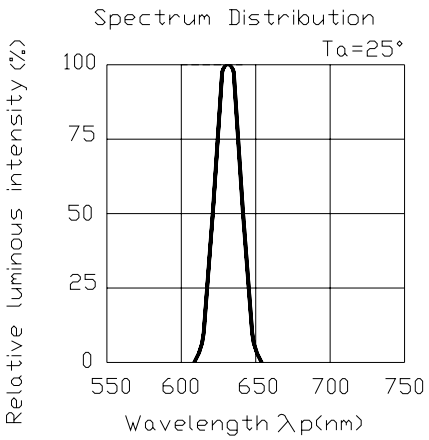
Chip Rank

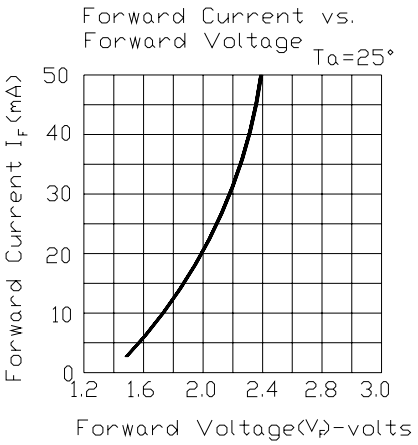
Typical Electro-Optical Characteristics Curves

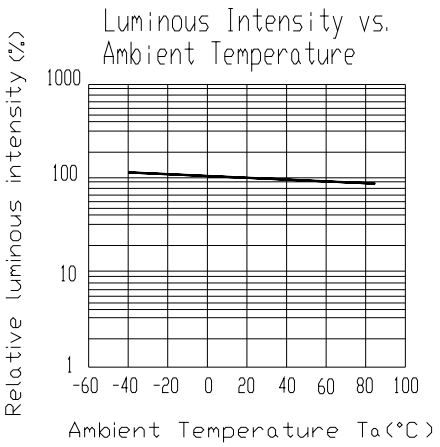
Technical Data Sheet

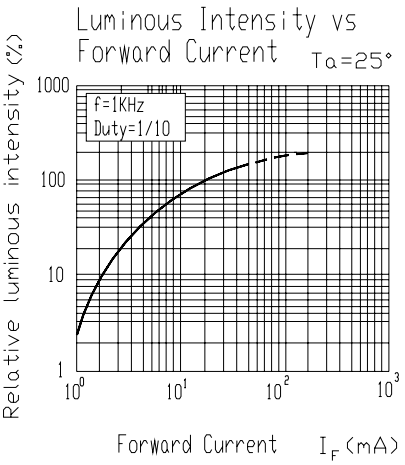
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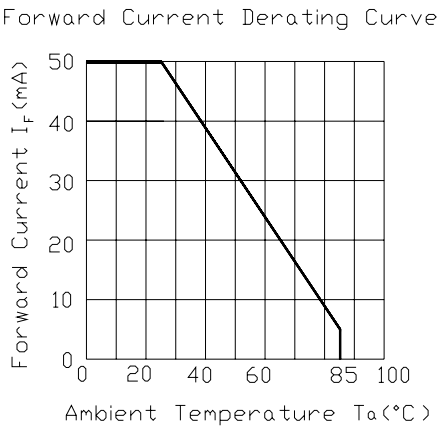
7343-2SURC/S400-AX

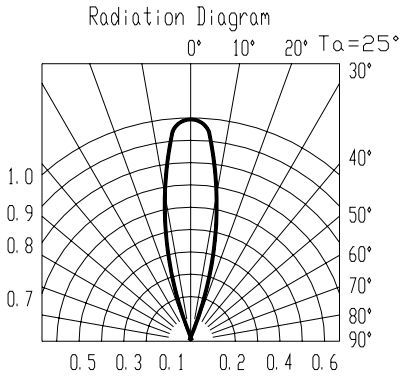












Packing Quantity Specification

Technical Data Sheet

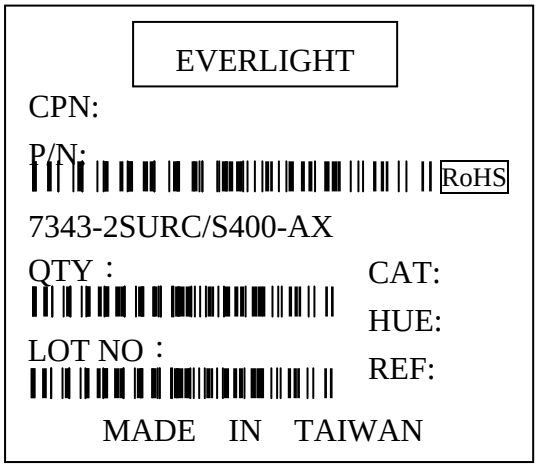
Light Emitting Diode (5 mm Round LED,T-1 3/4)

7343-2SURC/S400-AX

1.500PCS/1Bag，5Bags/1Box

2.10Boxes/1Carton

Label Form Specification



CPN: Customer's Production Number
P/N : Production Number
QTY: Packing Quantity
AT: Ranks
HUE: Peak 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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