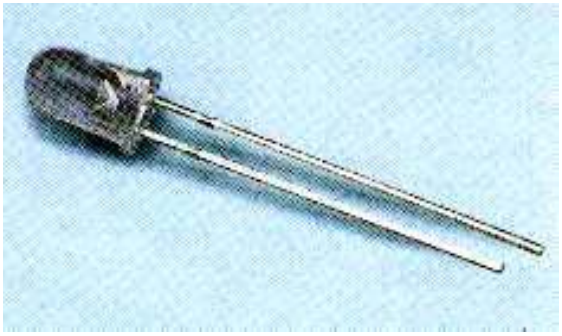
Technical Data Sheet

7344-15SUGC /S400-X6



Features

- Popular T-1 3/4 diameter package.
- Choice of various viewing angles.
- Available on tape and reel.
- Reliable and robust.
- Pb free.
- ESD-withstand voltage: up to 4K V
- 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**	
InGaN	Super Green	Water Clear

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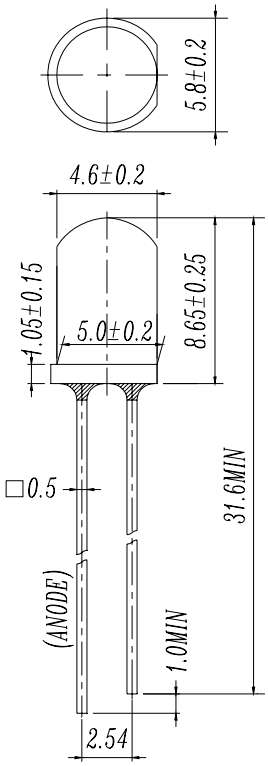
Package Dimensions



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	25	mA
Pulse Forward Current*1	I_{FP}	100	mA
Operating Temperature	T_{opr}	-40 ~ +85	℃
Storage Temperature	T_{stg}	-40 ~ +100	℃
Electrostatic Discharge	ESD	4K	V
Soldering Temperature*2	T_{sol}	260 ±5	℃
Power Dissipation	P_d	110	mW
Zener Reverse Current	Iz	50	mA

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	Min.	Typ.	Max.	Units
Forward Voltage	V_F	I_F=20mA		3.5	4.3	V
Luminous Intensity	I_V	I_F=20mA	4500	5650	--	mcd
Viewing Angle	2θ 1/2	I_F=20mA	--	30	--	deg
Peak Wavelength	λ p	I_F=20mA	--	518	--	nm
Dominant Wavelength	λ d	I_F=20mA	--	525	--	nm
Spectrum Radiation Bandwidth	$\Delta\lambda$	I_F=20mA	--	35	--	nm
Zener Reverse Voltage	Vz	----	----	4.5	V	Iz=5mA

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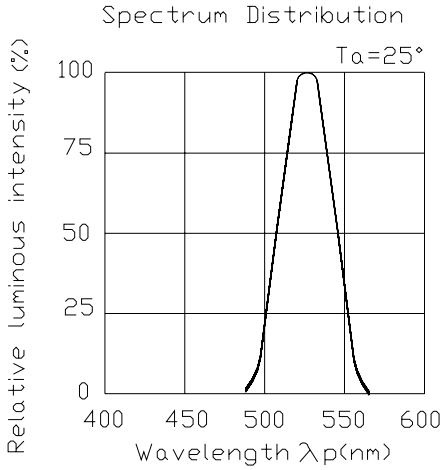
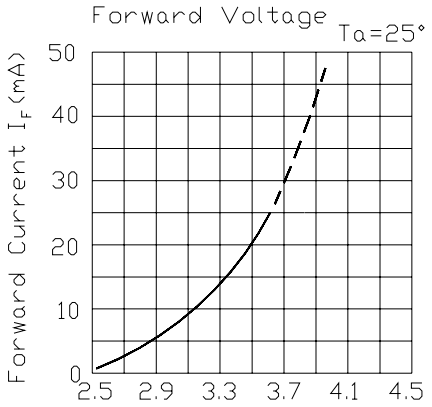
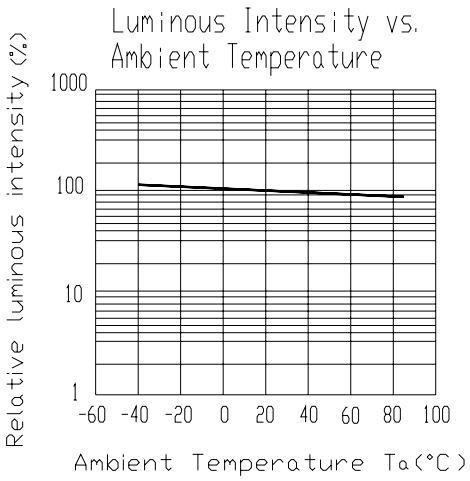
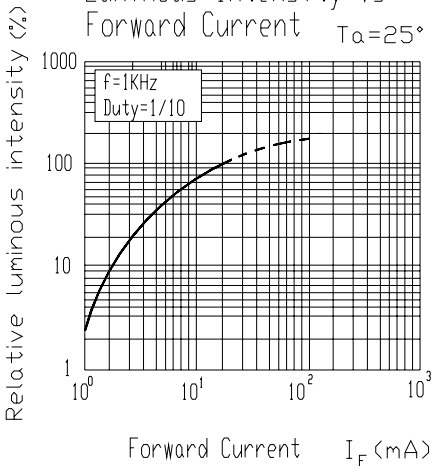
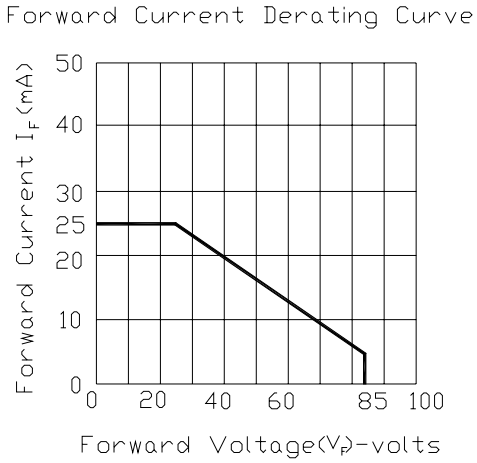
Typical Electro-Optical Characteristics Curves

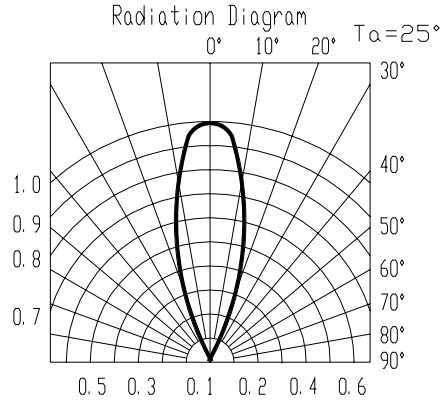












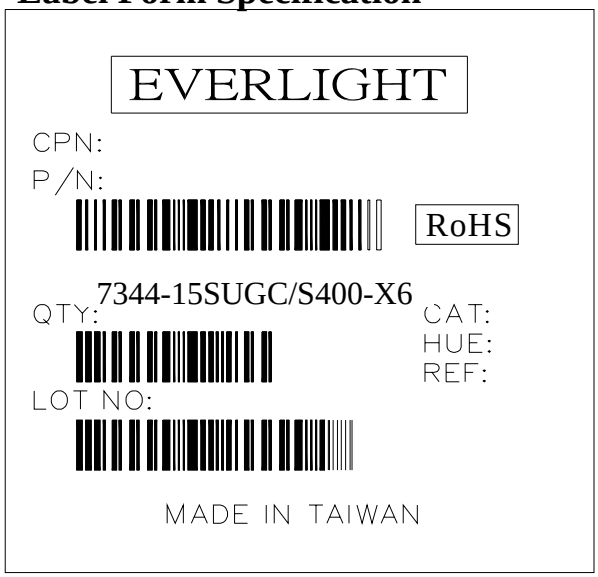
Packing Quantity Specification

7344-15SUGC /S400-X6

1.500PCS/1Bag，5Bags/1Box

2.10Boxes/1Carton

Label Form Specification



CPN: Customer’s Production Number

P/N : Production Number

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

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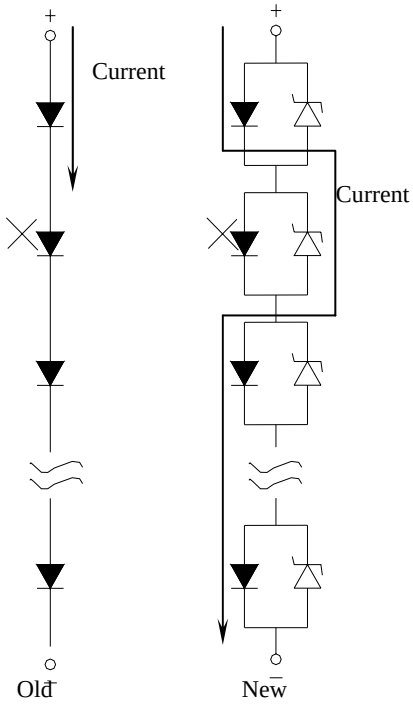
Notes

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.
3. These specification sheets include materials protected under copyright of EVERLIGHT corporation. Please don't reproduce or cause anyone to reproduce them without EVERLIGHT's consent.
4. When the LED is connected using serial circuit, if either piece of LED is no light up but current can't flow through causing others to light down. In new design, the LED is parallel with zener diode. if either piece of LED is no light up but current can flow through causing others to light up



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