



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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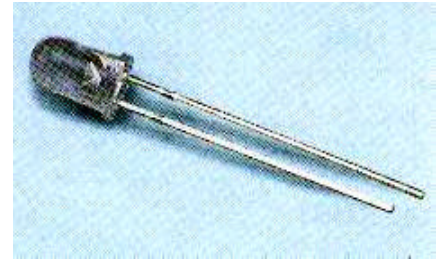


Technical Data Sheet

333-2UYC/S400-AX

Features

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



Descriptions

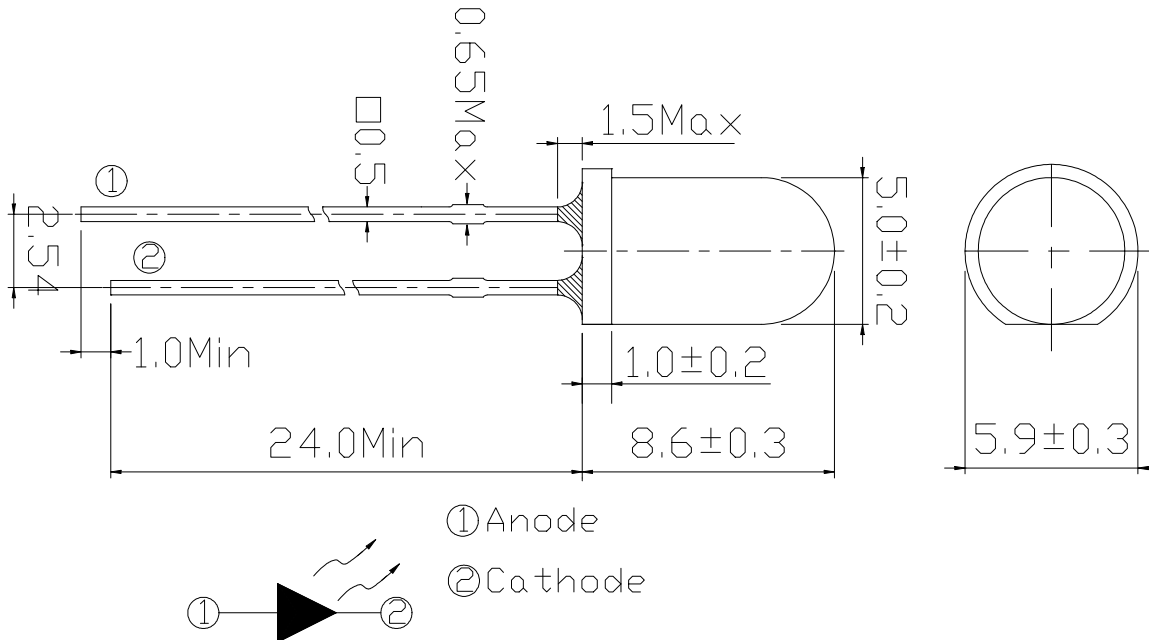
- The series is specially designed for applications requiring higher brightness.
- The LED lamps are available with different colors, intensities, epoxy colors, etc.
- Superior performance in outdoor environment

Applications

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

Device Selection Guide

LED Part No.	Chip		Lens Color
	Material	Emitted Color	
333-2UYC/S400-A6	AlGaInP	Super Yellow	Water Clear
333-2UYC/S400-A7			
333-2UYC/S400-A8			
333-2UYC/S400-A9			

Package Dimensions

Notes:

- Other dimensions are in millimeters, tolerance is 0.25mm except being specified.
- Protruded resin under flange is 1.5mm Max LED.
- Bare copper alloy is exposed at tie-bar portion after cutting.

Absolute Maximum Rating ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	I_F	50	mA
Pulse Forward Current (Duty 1/10@ 1KHz)	I_{FP}	100	mA
Operating Temperature	T_{opr}	-40 ~ +85	$^{\circ}\text{C}$
Storage Temperature	T_{stg}	-40 ~ +100	$^{\circ}\text{C}$
Electrostatic Discharge	ESD	2000	V
Soldering Temperature	T_{sol}	260 \pm 5	$^{\circ}\text{C}$
Power Dissipation	P_d	120	mW
Reverse Voltage	V_R	5	V

Notes: Soldering time \leq 5 seconds.

Electro-Optical Characteristics (T_a=25°C)

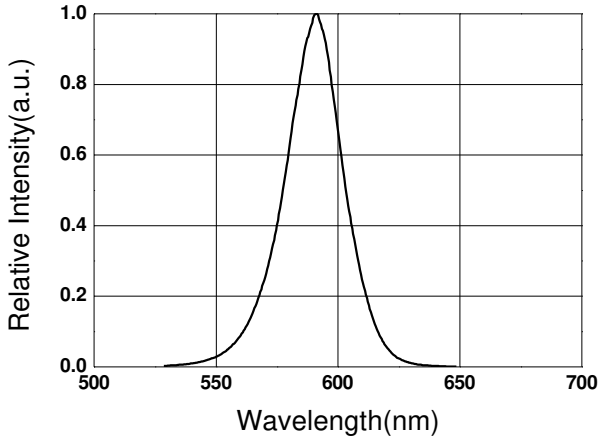
Parameter	Symbol	*Chip Rank	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity	I _V	A6	2000	3200	--	mcd	I _F =20mA
		A7	2500	4000	--		
		A8	3200	5000	--		
		A9	4000	6300	--		
Viewing Angle	2θ _{1/2}	--	--	10	--	deg	
Peak Wavelength	λ _p	--	--	591	--	nm	
Dominant Wavelength	λ _d	--	--	589	--		
Spectrum Half width	Δλ	--	--	15	--		
Forward Voltage	V _F	--	--	2.0	2.4	V	
Reverse Current	I _R	--	--	--	10	μA	V _R =5V

***333-2UYC/S400-AX**

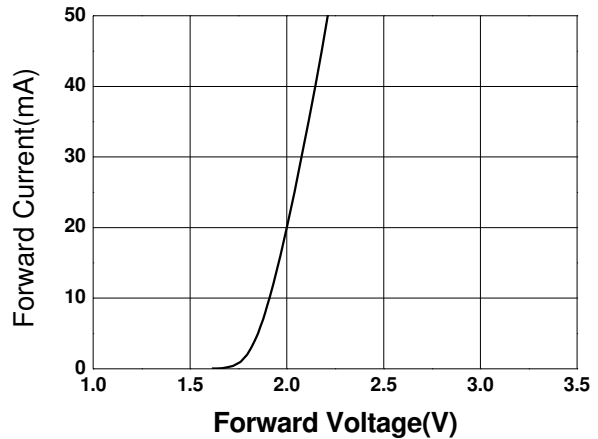
↑
Chip Rank

Typical Electro-Optical Characteristics Curves

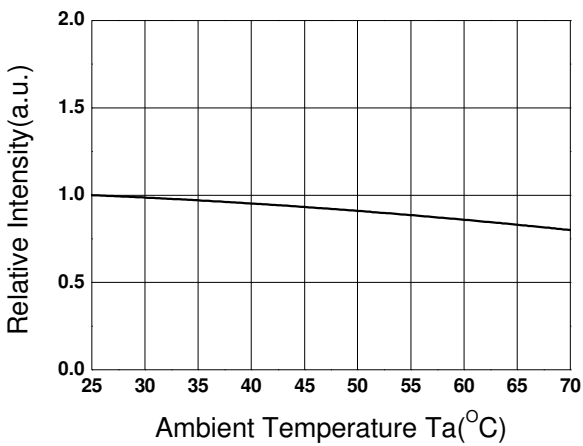
Relative Intensity vs. Wavelength



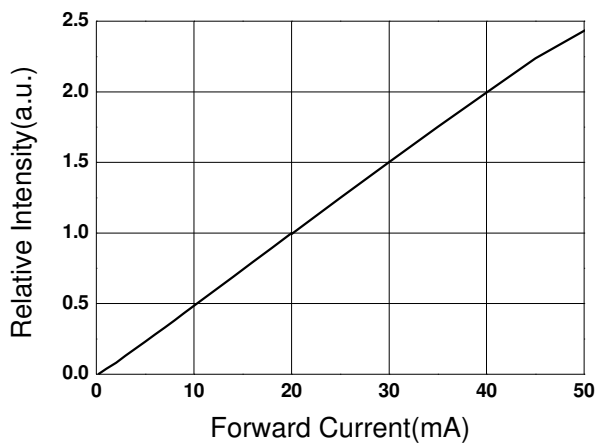
Forward Current vs. Forward Voltage



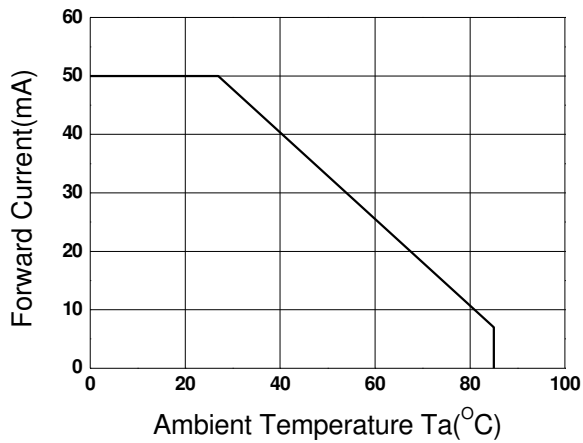
Relative Intensity vs. Ambient Temp



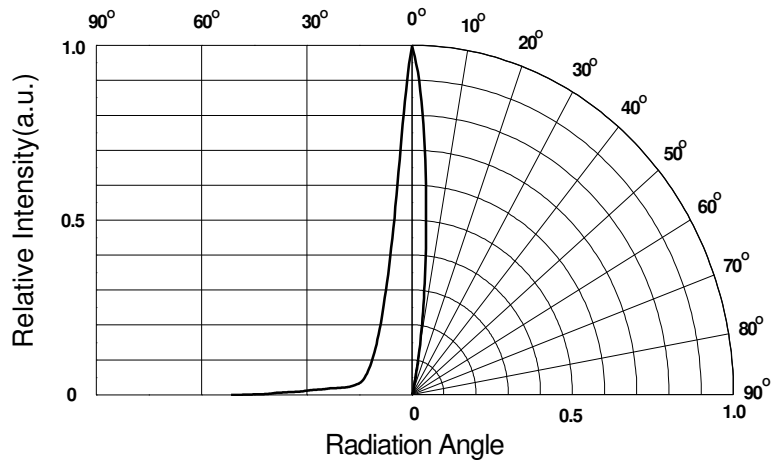
Forward Current vs. Relative Intensity



Forward Current vs. Ambient Temp.



Radiation Characteristics





333-2UYC/S400-AX

Packing Quantity Specification

1.500PCS/1Bag , 5Bags/1Box

2.10Boxes/1Carton

Label Form Specification

CPN:	
P/N:	
333-2UYC/S400-AX	
QTY :	CAT:
LOT NO :	HUE:
MADE IN TAIWAN	

CPN: Customer's Production Number

P/N : Production Number

333-2UYC/S400-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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