



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDT-315-023 REV: 1.0

## 0.36" Tripple Digit Displays

MODEL NO : ELT-315SURWA/S530-A2 ECN : \_\_\_\_\_ Page: 1/5

### ■ Features :

- Industrial standard size.
- Low power consumption.
- Categorized for luminous intensity.

### ■ Applications:

- Audio equipment
- Instrument panels
- Digital readout display

### ■ Description :

- The ELT-315 series is a large 9.2mm (0.36")high seven segment display design for viewing distances up to 7 meters.
- These displays provide excellent reliability in bright ambient light.
- These device is made with white segments and gray surface.

PART NO	CHIP		C.C. or C.A.
	Material	Emitted Color	
ELT-315SURWA/S530-A2	AlGaInP	Hyper Red	C.C.

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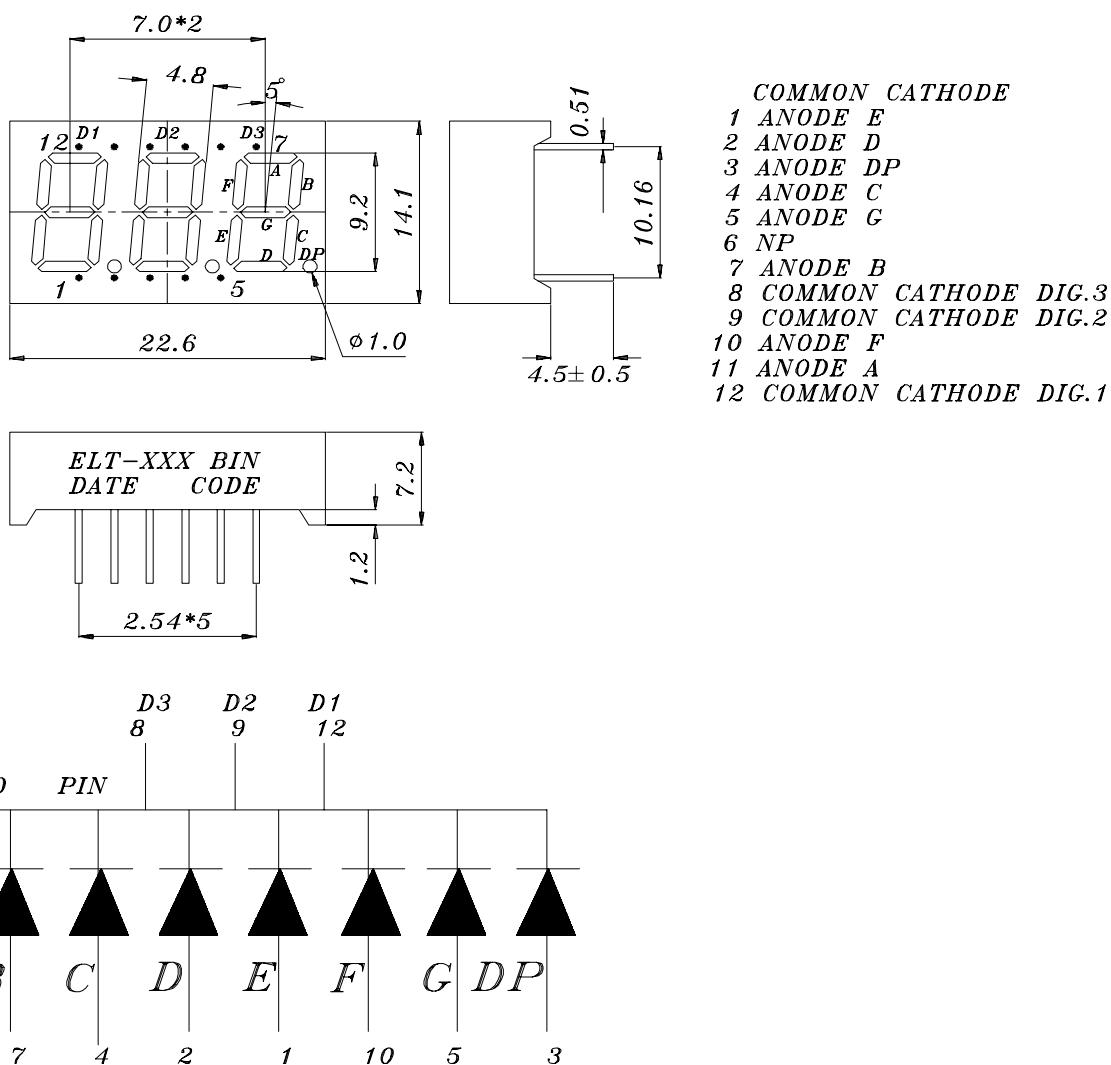
<http://www.everlight.com>



## 0.36" Triple Digit Displays

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## ■ Package Dimension:



## ■ NOTES:

1. All dimensions are millimeters , tolerance is 0.25mm unless otherwise noted.

2. Above specification may be changed without notice.

Supplier will reserve authority on material change for above specification.



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## ■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	160	mA

## ■ Electronic optical characteristics :

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous Intensity	Per segment	0.45	1.3	----	mcd	If=2mA
		2.8	8.5	----	mcd	If=10mA
	Per decimal point	0.11	0.75	----	mcd	If=2mA
		1.05	4.00	----	mcd	If=10mA
Peak Wavelength	λ p	----	632	----	nm	If=20mA
Dominant Wavelength	λ d	----	624	----	nm	If=20mA
Spectrum Radiation Bandwidth	△ λ	---	20	----	nm	If=20mA
Forward Voltage	Vf	----	2.0	2.4	V	If=20mA
Reverse Current	Ir	----	----	10	μA	Vr=5V

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## ■ Reliability test item and condition:

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : $+85^{\circ}\text{C}$ 30min ↓ 5 min L : $-55^{\circ}\text{C}$ 30min	50 CYCLE	76 PCS	0/1
3	Thermal Shock	H : $+100^{\circ}\text{C}$ 5min ↓ 10 sec L : $-10^{\circ}\text{C}$ 5min	50 CYCLE	76 PCS	0/1
4	High Temperature Storage	TEMP : $100^{\circ}\text{C}$	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : $-55^{\circ}\text{C}$	1000 HRS	76 PCS	0/1
6	DC Operating Life	If = 10 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	$85^{\circ}\text{C}/85\%$ RH	1000 HRS	76 PCS	0/1

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■ Typical Electro-Optical Characteristic Curves:

