



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDD-316-019 REV: 1

## 0.3" Dual Digit Displays

PART NO. : ELD-316SURWA/S530-A3 ECN : \_\_\_\_\_ Page: 1/5

### Features :

Industrial standard size.

Low power consumption.

Categorized for luminous intensity.

### Applications:

Audio equipment

Instrument panels

Digital read out display

### Descriptions :

The ELD-316 series is a large 7.62 mm

(0.3")high seven segment display

designed for viewing distances up to

7 meters.

These displays provide excellent

reliability in bright ambient light.

These devices are made with white

segments and gray surface.

PART NO.	Chip	
	Material	Emitted Color
ELD-316SURWA/S530-A3	AlGaInP	Hyper Red

OFFICE : NO. 25,Lane 76,Sec.3, Chung Yang Rd., Tucheng 236, Taipei, Taiwan, R.O.C.

TEL : 886-2-2267-2000,2267-9936

FAX : 886-2-2267-6244,22676189,22676306

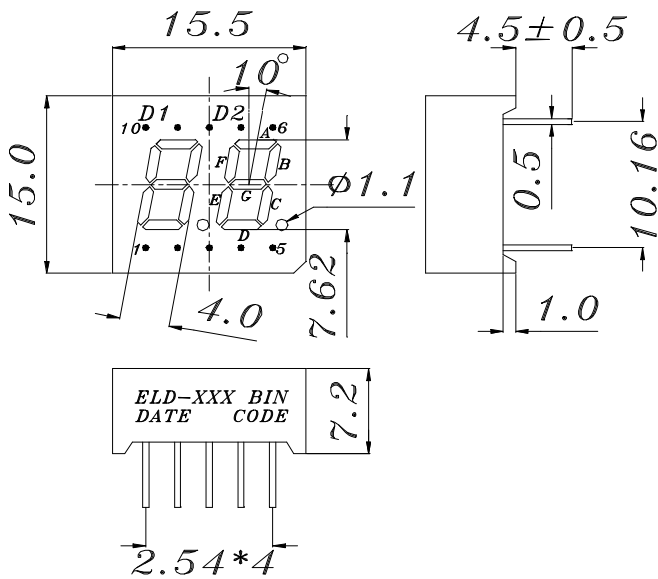
<http://www.everlight.com>

BG0308001 50003800

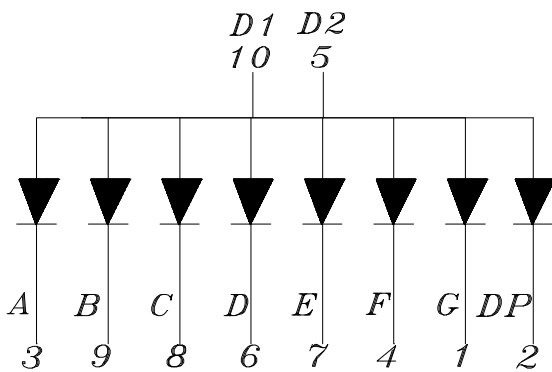


0.3" Dual Digit Displays

Package Dimensions:



- COMMON ANODE*
- 1 *CATHODE G*
  - 2 *CATHODE DP*
  - 3 *CATHODE A*
  - 4 *CATHODE F*
  - 5 *COMMON ANODE D2*
  - 6 *CATHODE D*
  - 7 *CATHODE E*
  - 8 *CATHODE C*
  - 9 *CATHODE B*
  - 10 *COMMON ANODE D1*



Notes:

1. All dimensions are in 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.



# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDD-316-019 REV: 1

0.3" Dual Digit Displays

PART NO. : ELD-316SURWA/S530-A3 ECN : \_\_\_\_\_ Page: 3/5

Absolute maximum ratings at Ta = 25 :

Parameter	Symbol	Rating	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	
Storage Temperature	Tstg	-40 to +100	
Soldering Temperature	Tsol	260 ±5	
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	Iv	----	1.0	----	mcd	IF=2mA
			4.0	8.9	----		IF=10mA
	Per decimal point		----	0.5	----	mcd	IF=2mA
			1.0	2.0	----		IF=10mA
Peak Wavelength		p	----	632	----	nm	IF=20mA
Dominant Wavelength		d	----	624	----	nm	IF=20mA
Spectrum Radiation Bandwidth			----	20	----	nm	IF=20mA
Forward Voltage		VF	----	2.0	2.4	V	IF=20mA
Reverse Current		IR	----	----	100	μ A	VR=5V





# EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDD-316-019 REV: 1

0.3" Dual Digit Displays

PART NO. : ELD-316SURWA/S530-A3 ECN :                      Page: 5/5

## Reliability test items and conditions:

NO	Item	Test Conditions	Test Hours/Cycle	Sample Size	Ac/Re
1	Solder Heat	TEMP : 260 ±5	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85 30min 5 min L : -55 30min	50 CYCLE	76 PCS	0/1
3	Thermal Shock	H : +100 5min 10 sec L : -10 5min	50 CYCLE	76 PCS	0/1
4	High Temperature Storage	TEMP : 100	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -55	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 /85% RH	1000 HRS	76 PCS	0/1