



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDD-515-002 REV: 1

0.5" Dual Digit Displays

PART NO. : ELD-515SURWA/S530-A2 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-515 series is a large 12.7mm (0.5")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-515SURWA/S530-A2	AlGaInP	Hyper Red

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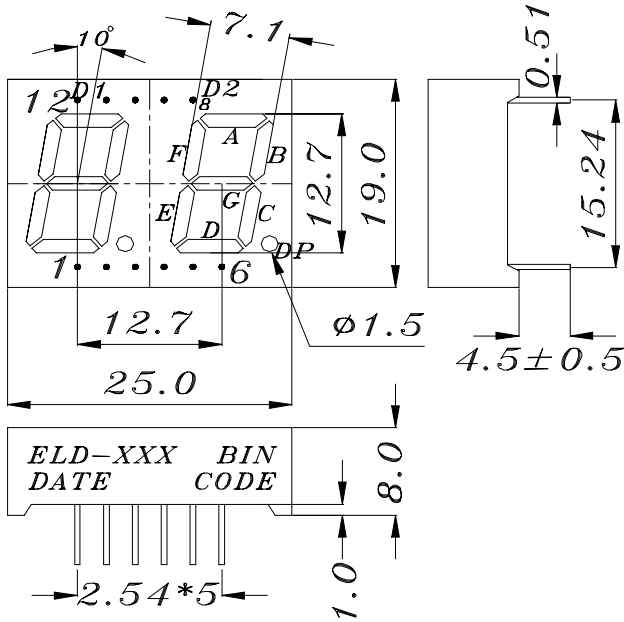
<http://www.everlight.com>

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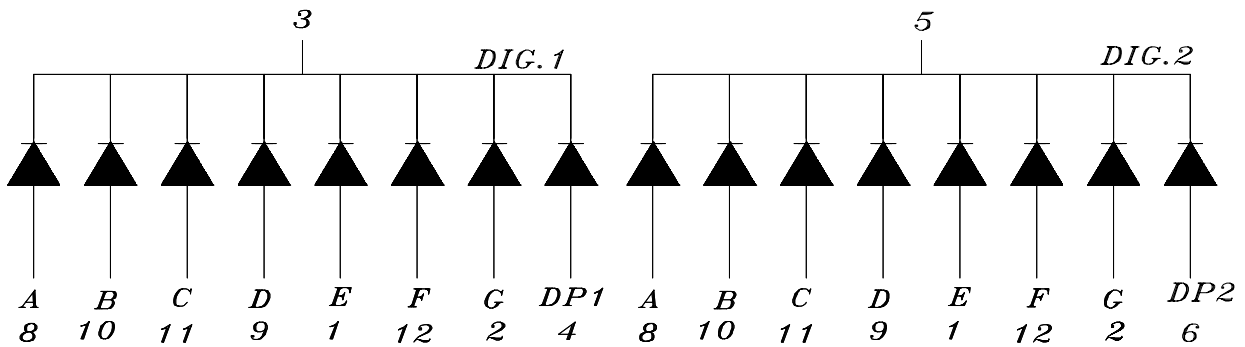


0.5" Dual Digit Displays

Package Dimensions:



- COMMON CATHODE*
- 1 ANODE E
 - 2 ANODE G
 - 3 COMMON CATHODE DIG.1
 - 4 ANODE DP1
 - 5 COMMON CATHODE DIG.2
 - 6 ANODE DP2
 - 7 NO PIN
 - 8 ANODE A
 - 9 ANODE D
 - 10 ANODE B
 - 11 ANODE C
 - 12 ANODE F



NO PIN: 7

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.



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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	Iv	0.8	2.0	----	mcd	IF=2mA
			4.0	8.9	----		IF=10mA
	Per decimal point	Iv	0.5	0.9	----	mcd	IF=2mA
			1.4	2.3	----		IF=10mA
Peak Wavelength	λ_p	----	632	----	nm	IF=20mA	
Dominant Wavelength	λ_d	----	624	----	nm	IF=20mA	
Spectrum Radiation Bandwidth	$\Delta \lambda$	----	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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Typical Electro-Optical Characteristic Curves:

(SUR)

