



0.56" Triple Digit Displays with Right Pin

MODEL NO : ELT-542SURWA/S530-A2/R ECN : Page: 1/5

■ Features :

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

■ Applications:

- Audio equipment
- Instrument panels
- Digital read out display

■ Description :

- The ELT-542 series is a large 14.22mm (0.56")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-542SURWA/S530-A2/R	AlGaInP	Hyper Red	C.A.

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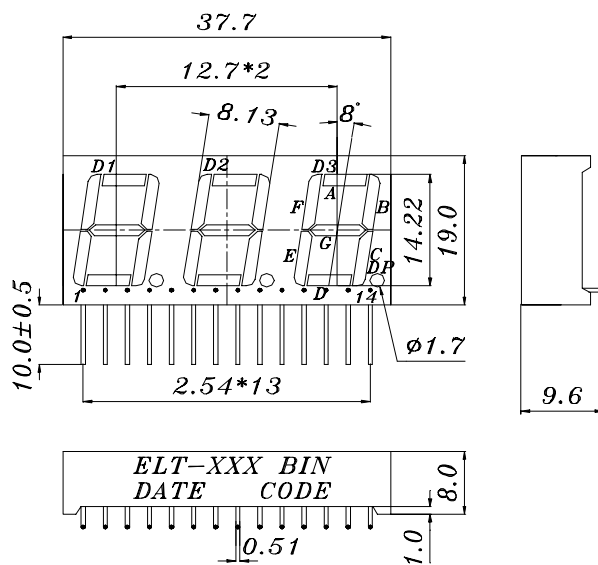
<http://www.everlight.com>



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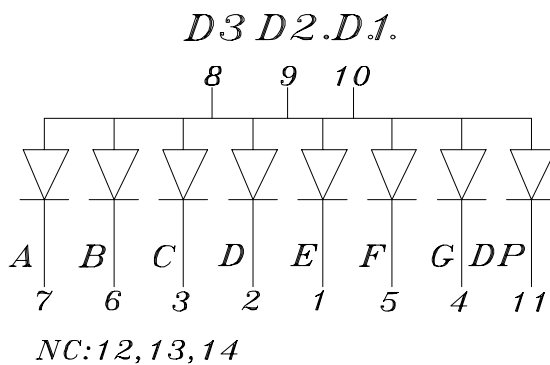
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■ Package Dimension:



COMMON ANODE

- 1 CATHODE E
- 2 CATHODE D
- 3 CATHODE C
- 4 CATHODE G
- 5 CATHODE F
- 6 CATHODE B
- 7 CATHODE A
- 8 COMMON ANODE D1
- 9 COMMON ANODE D2
- 10 COMMON ANODE D3
- 11 CATHODE DP
- 12 NO CONNECTIC
- 13 NO CONNECTIC
- 14 NO CONNECTIC



■ 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.

**0.56" Triple Digit Displays with Right Pin**MODEL NO : ELT-542SURWA/S530-A2/R ECN : Page: 3/5**■ 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	Iv	0.75	2.1	----	mcd	If=2mA
	segment		5.6	14.2	----	mcd	If=10mA
	Per		0.11	1.05	----	mcd	If=2mA
	decimal point		2.00	7.80	----	mcd	If=10mA
Peak Wavelength		λ_p	----	632	----	nm	If=20mA
Dominant Wavelength		λ_d	----	624	----	nm	If=20mA
Spectrum Radiation Bandwidth		$\triangle \lambda$	----	20	----	nm	If=20mA
Forward Voltage		Vf	----	2.0	2.4	V	If=20mA
Reverse Current		Ir	----	----	10	μA	Vr=5V



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDT-542-046

REV: 1.0

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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°C ± 5 °C	5 SEC	76 PCS	0/1
2	Temperature Cycle	H : +85°C 30min ∫ 5 min L : -55°C 30min	50 CYCLE	76 PCS	0/1
3	Thermal Shock	H : +100°C 5min ∫ 10 sec L : -10°C 5min	50 CYCLE	76 PCS	0/1
4	High Temperature Storage	TEMP : 100°C	1000 HRS	76 PCS	0/1
5	Low Temperature Storage	TEMP : -55°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°C/85% RH	1000 HRS	76 PCS	0/1



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■ Typical Electro-Optical Characteristic Curves:

