



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDD-525-022 REV: 1.0

0.54" Dual Digit Alphanumeric Displays

MODEL NO : ELD-525YWA/S176 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 ELD-525series is a large 13.6mm (0.54")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	
ELD-525YWA/S176	GaAsP/GaP	Yellow	C.C.

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TS99054 B991833



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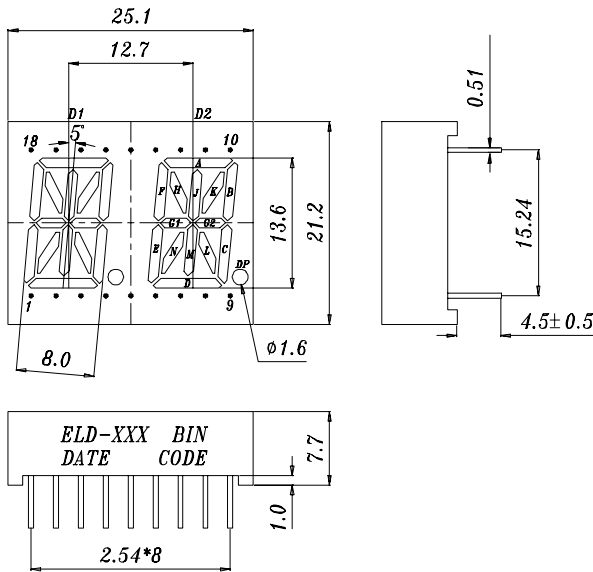
0.54" Dual Digit Alphanumeric Displays

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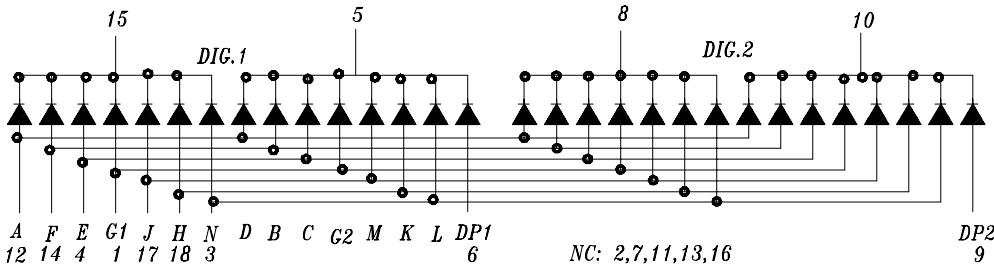
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Package Dimension:



COMMON CATHODE

- 1 ANODE G1,G2
- 2 NC
- 3 ANODE N,L
- 4 ANODE E,C
- 5 COMMON CATHODE DIG.1(D,B,C,G2,M,K,L,DP1)
- 6 ANODE DP1
- 7 NC
- 8 COMMON CATHODE DIG.2(A,F,E,G1,J,H,N)
- 9 ANODE DP2
- 10 COMMON CATHODE DIG.2(D,B,C,G2,M,K,L,DP2)
- 11 NC
- 12 ANODE A,D
- 13 NC
- 14 ANODE F,B
- 15 COMMON CATHODE DIG.1(A,F,E,G,J,H,N)
- 16 NC
- 17 ANODE J,M
- 18 ANODE H,K



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 :

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	20	mA
Operating Temperature	Topr	-40 to +85	
Storage Temperature	Tstg	-40 to +100	
Soldering Temperature	Tsol	260 ± 5	
Power Dissipation	Pd	85	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	0.28	0.45	----	mcd	If=10mA
	Per decimal point		0.07	0.11	----		
Peak Wavelength		p	----	585	----	nm	If=20mA
Dominant Wavelength		d	----	590	----	nm	If=20mA
Spectrum Radiation Bandwidth			----	35	----	nm	If=20mA
Forward Voltage		Vf	1.7	2.0	2.6	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 ± 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 = 20 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85 /85% RH	1000 HRS	76 PCS	0/1



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Typical Electro-Optical Characteristic Curves:

