



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDD-426-046 REV: 1

0.4" Dual Digit Displays

PART NO. : ELD-426SYGWB/S530-E1/P4/S147 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-426 series is a large 10.16mm (0.4")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 black surface.

PART NO.	Chip	
	Material	Emitted Color
ELD-426SYGWB/S530-E1/P4/S147	AlGaInP	Super Yellow Green

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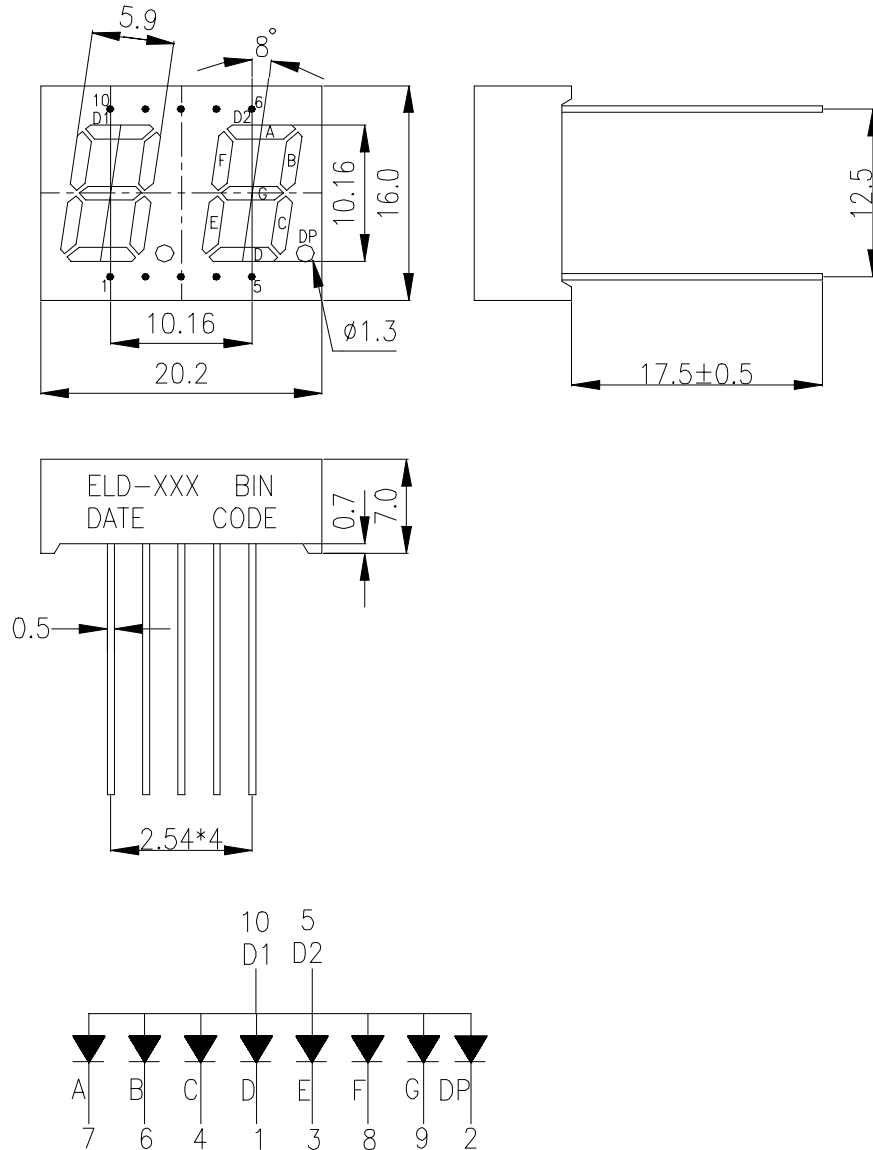
<http://www.everlight.com>

A0204008



0.4" Dual Digit Displays

■ Package Dimensions:



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



0.4" Dual Digit Displays

■ 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	0.2	0.6	----	mcd	IF=2mA
			1.4	4.5	----		IF=10mA
	Per decimal point		0.1	0.2	----	mcd	IF=2mA
			0.3	1.0	----		IF=10mA
Peak Wavelength		λ_p	----	575	----	nm	IF=20mA
Dominant Wavelength		λ_d	----	573	----	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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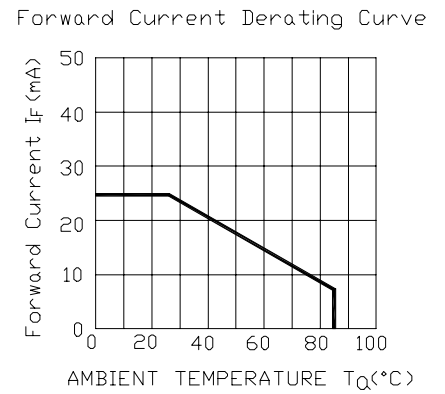
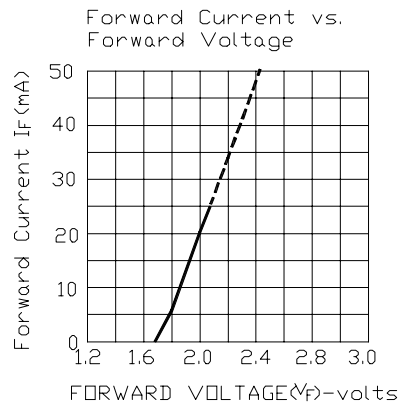
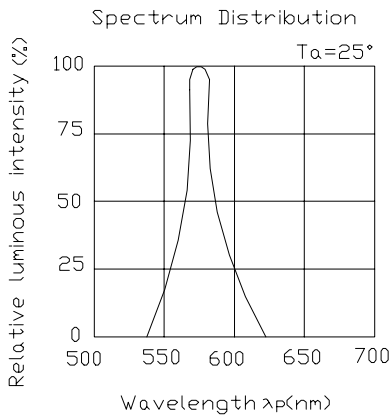
PART NO. : ELD-426SYGWB/S530-E1/P4/S147

ECN : _____

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Typical Electro-Optical Characteristic Curves:

CHIP Material:AlGaInP
Emitted Color:Super Yellow Green





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PART NO. : ELD-426SYGWB/S530-E1/P4/S147 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°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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