



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDD-426-030 REV: 1.0

0.4" Dual Digit Displays

MODEL NO : ELD-426SURWA/S530-A2 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-426 series is a large 10.16mm (0.4")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.

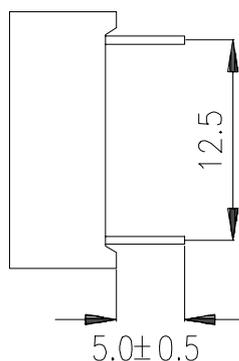
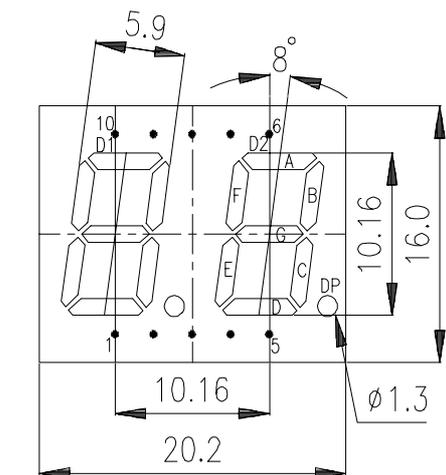
PART NO	CHIP		C.C. or C.A.
	Material	Emitted Color	
ELD-426SURWA/S530-A2	AlGaInP	Hyper Red	C.A.

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>

0.4" Dual Digit Displays

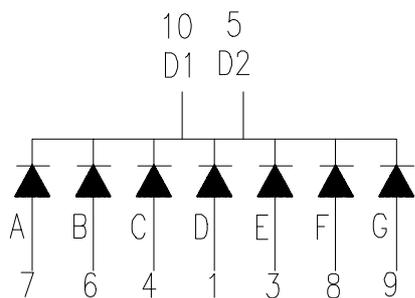
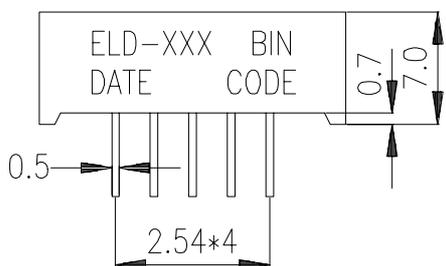
MODEL NO : ELD-426SURWA/S530-A2 ECN : _____ Page: 2/5

Package Dimension:



COMMON CATHODE

- 1 ANODE D
- 2 NO CONNECT
- 3 ANODE E
- 4 ANODE C
- 5 COMMON CATHODE D2
- 6 ANODE B
- 7 ANODE A
- 8 ANODE F
- 9 ANODE G
- 10 COMMON CATHODE D1



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.



0.4" 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
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	Per segment	Iv	0.45	1.7	----	mcd	If=2mA
			4.0	11.4	----	mcd	If=10mA
Intensity	Per decimal point	Iv	0.11	1.05	----	mcd	If=2mA
			2.80	5.60	----	mcd	If=10mA
Peak Wavelength		λp	----	632	----	nm	If=20mA
Dominant Wavelength		λd	----	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



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDD-426-030

REV: 1.0

0.4" Dual Digit Displays

MODEL NO : ELD-426SURWA/S530-A2 ECN : _____

Page: 4/5

■ 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



0.4" Dual Digit Displays

Typical Electro-Optical Characteristic Curves:

(SUR)

