



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDS-432-026 REV: 1.0

0.39" Single Digit Displays

MODEL NO : ELS-432UYOWA/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

■ Description :

- The ELS-432 series is a large 10.0mm (0.39")high seven segment display design for viewing distances up to 7 meters.
- These displays provide excellent readability 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	
ELS-432UYOWA/S530-A2	AlGaInP	Super Yellow Orange	C.A.

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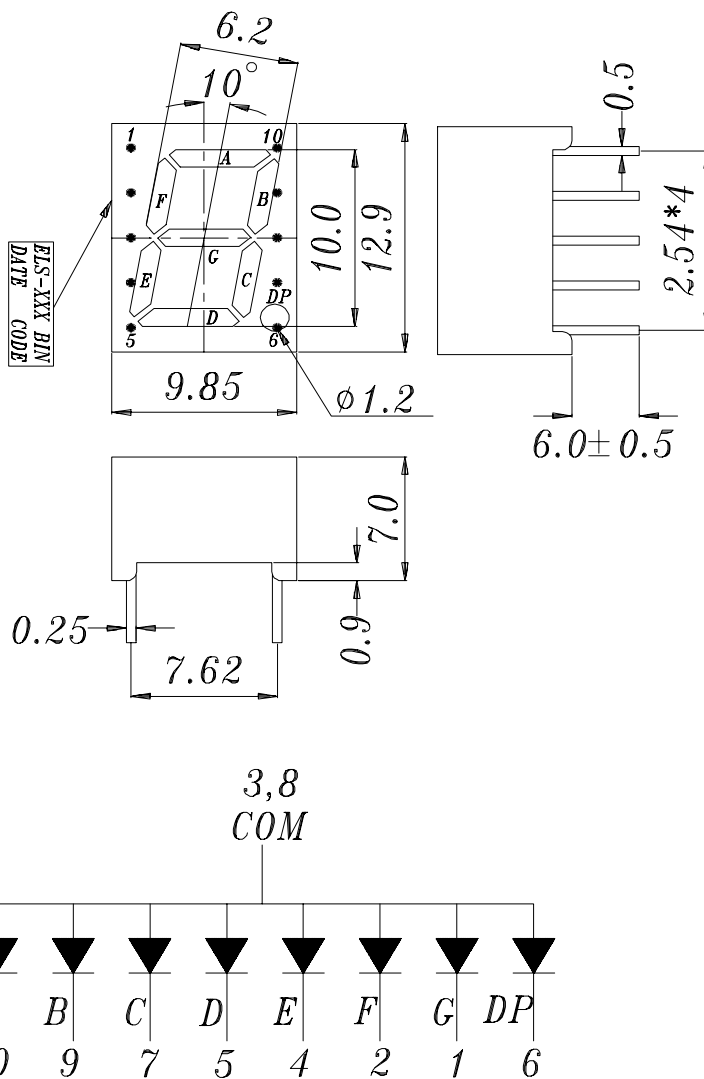
<http://www.everlight.com>



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Package Dimension:



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

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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atures : 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	Per segment	I _v	1.4	3.6	----	mcd	If=2mA
			7.80	23.9	----	mcd	If=10mA
Intensity	Per decimal point		0.28	2.00	----	mcd	If=2mA
			2.80	11.00	----	mcd	If=10mA
Peak Wavelength		λ p	----	611	----	nm	If=20mA
Dominant Wavelength		λ d	----	605	----	nm	If=20mA
Spectrum Radiation Bandwidth		△ λ	----	17	----	nm	If=20mA
Forward Voltage		V _f	----	2.0	2.4	V	If=20mA
Reverse Current		I _r	----	----	10	V	V _r =5V



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■ Features :					
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 =10 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:

Forward Current Derating Curve
 $T_a=25^\circ$

