



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDS-325-010 REV: 1.0

0.28" Single Digit Displays

MODEL NO : ELS-325SURWA/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 ELS-325 series is a large 7.0mm (0.28")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	
ELS-325SURWA/S530-A2	AlGaInP	Hyper Red	C.C.

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<http://www.everlight.com>



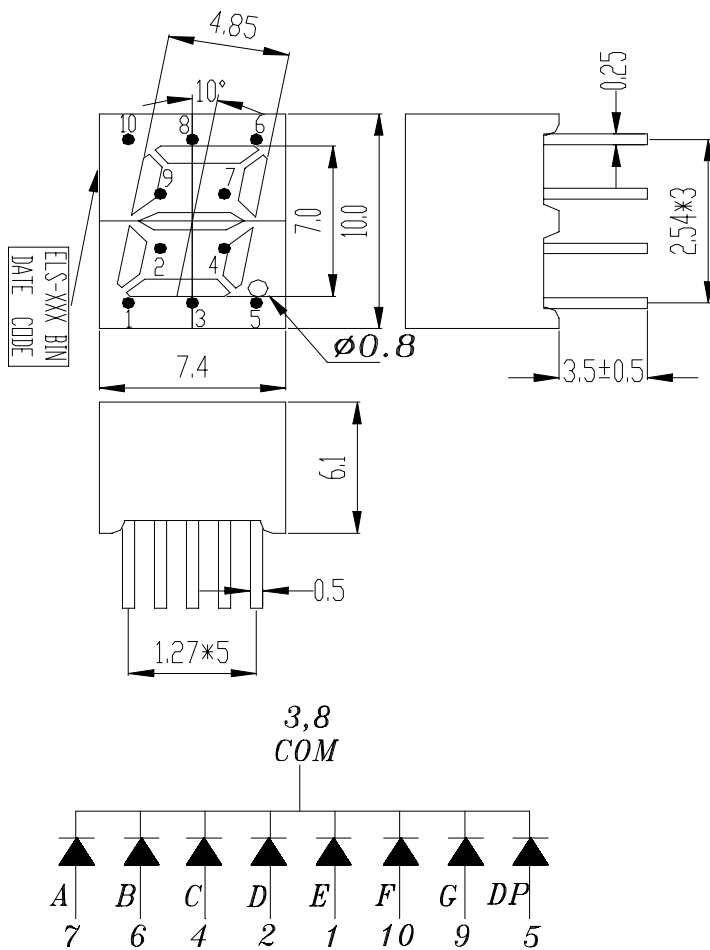
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■ Package Dimension:



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

■ 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°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	0.45	1.3	----	mc	If=2mA
	Per decimal point		2.80	9.0	----	mc	If=10mA
Luminous Intensity	Per decimal point	Iv	0.11	0.5	----	mc	If=2mA
			0.75	5.6	----	mc	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



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Typical Electro-Optical Characteristic Curves:

