



EVERLIGHT ELECTRONICS

Device Number : DDS-232-013 REV: 1.0

2.3" Single Digit Display

MODEL NO : ELS-2326SRWB ECN : Page: 1/4

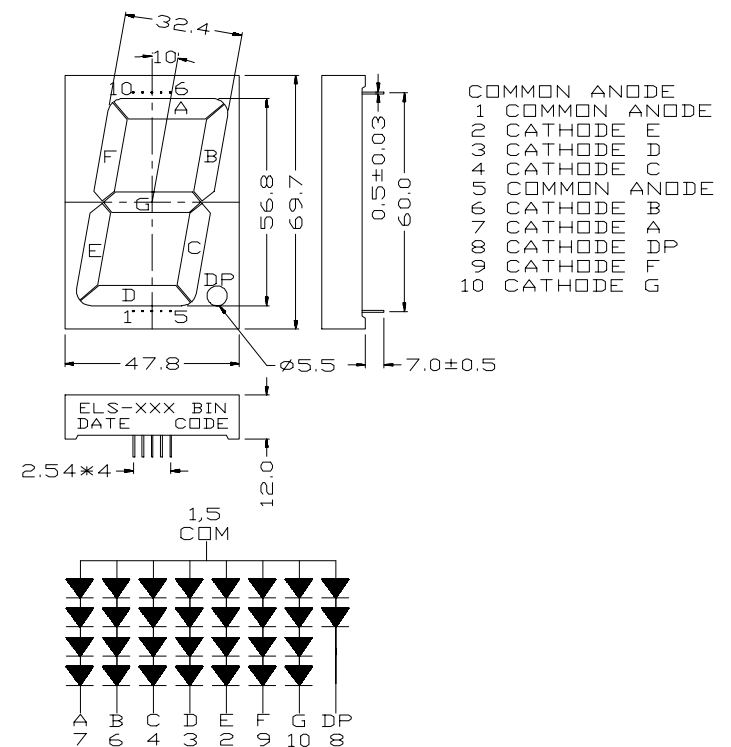
■ Features :

- Industrial standard size.
- Low power consumption.
- Categorized for luminous intensity.

■ Description :

- The ELS-2326 series is a large 56.9mm (2.3") 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 black surface.

■ Package Dimension:



■ Applications:

- Audio equipment
- Instrument panels
- Digital readout display

■ 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.

PART NO	CHIP		C.C. or C.A.
	Material	Emitted Color	
ELS-2326SRWB	GaAlAs	Super 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>



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDS-232-013 REV: 1.0

2.3" Single Digit Display

MODEL NO : ELS-2326SRWB ECN : Page: 2/4

■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	40	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	110	mW
Peak Forward Current(Duty 1/10 @ 1KHZ)	If(Peak)	180	mA

■ Electronic optical characteristics :

Parameter		Symbol	MIN.	TYP.	MAX.	Unit	Condition
Luminous Intensity	Per segment	Iv	7.8	11.7	----	mcd	If=10mA
	Per decimal point		3.5	5.5	----		
Peak Wavelength		λ p	----	660	----	nm	If=20mA
Dominant Wavelength		λ d	----	643	----	nm	If=20mA
Spectrum Radiation Bandwidth		△ λ	----	20	----	nm	If=20mA
Forward Voltage	Per segment	Vf	6.0	6.8	9.6	V	If=20mA
	Per decimal point		3.0	3.4	4.8		
Reverse Current		Ir	----	----	10	μ A	Vr=5V



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDS-232-013 REV: 1.0

2.3" Single Digit Display

MODEL NO : ELS-2326SRWB ECN : Page: 3/4

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 = 20 mA	1000 HRS	76 PCS	0/1
7	High Temperature / High Humidity	85°C/85% RH	1000 HRS	76 PCS	0/1



2.3" Single Digit Display

Typical Electro-Optical Characteristic Curves:

