



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDD-306-001 REV: 1.2

0.3" Dual Digit Displays

MODEL NO : ELD-306IDB 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-306 series is a large 7.62mm
(0.3")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 red
segments and black surface.

PART NO	CHIP		C.C. or C.A.
	Material	Emitted Color	
ELD-306IDB	GaAsP/GaP	Hi-Eff Red	C.A.

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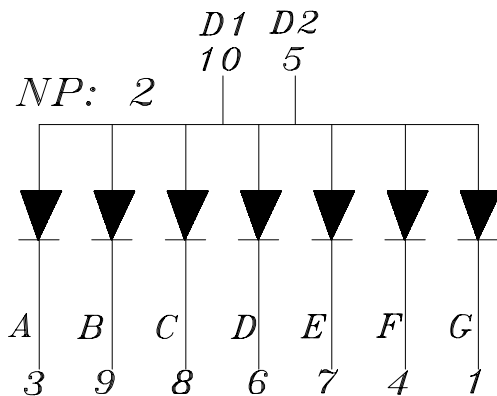
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The technical drawing illustrates the ELD-XXX BIN component from three perspectives:

- Top View:** Shows a rectangular package with overall dimensions of 15.0 mm by 15.5 mm. It features two central pins labeled D1 and D2, each with a diameter of $\phi 1.1$. A 10° chamfer is indicated at the corners. Pin locations are marked with points A through H. The distance between the pin centers is 7.62 mm, and the distance from the center to the edge is 4.0 mm.
- Side View:** Shows the profile of the component with a total height of 10.16 mm. The mounting flange has a thickness of 0.5 mm and a base width of 1.0 mm.
- Front View:** Displays the labeling area with fields for "ELD-XXX BIN", "DATE", and "CODE". The label height is 7.2 mm, and the pin pitch is specified as 4.5 ± 0.5 mm. The pin array consists of four pins with a pitch of $2.54 * 4$ mm.

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



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.



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■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage	Vr	5	V
Forward Current	If	30	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	100	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	1.4	----	mcd	If=10mA
	Per decimal point		0.11	0.30	----	mcd	If=10mA
Peak Wavelength		λ p	----	635	----	nm	If=20mA
Dominant Wavelength		λ d	----	625	----	nm	If=20mA
Spectrum Radiation Bandwidth		△ λ	----	45	----	nm	If=20mA
Forward Voltage		Vf	1.7	2.0	2.4	V	If=20mA
Reverse Current		Ir	----	----	10	μ A	Vr=5V



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Typical Electro-Optical Characteristic Curves:

