



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDT-512-006 REV: 2

0.56" Triple Digit Displays

PART NO. : ELT-512HDB/P1 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 ELT-512 series is a large 14.22 mm (0.56")high seven segment display designed for viewing distances up to 7 meters.
- These displays provide excellent reliability in bright ambient light.
- These devices are made with red segments and black surface.

PART NO.	Chip	
	Material	Emitted Color
ELT-512HDB/P1	GaP	Bright Red

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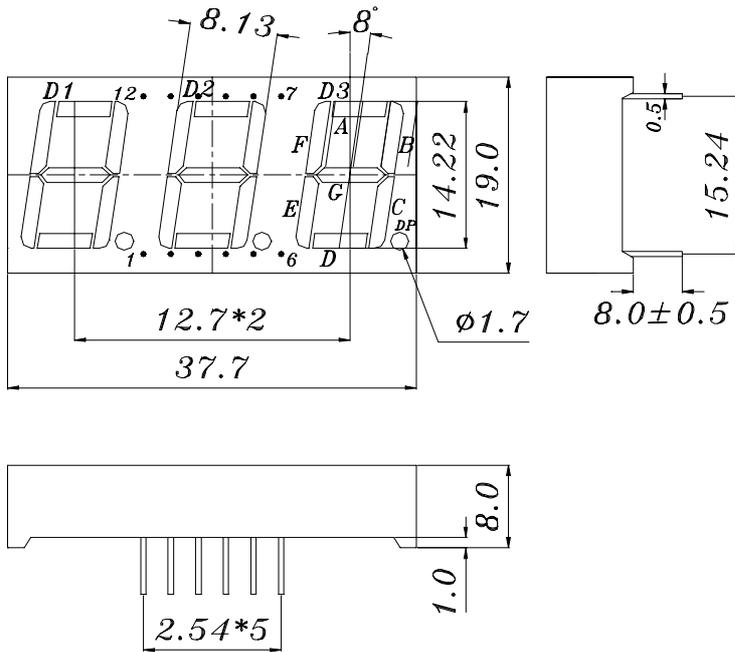
<http://www.everlight.com>



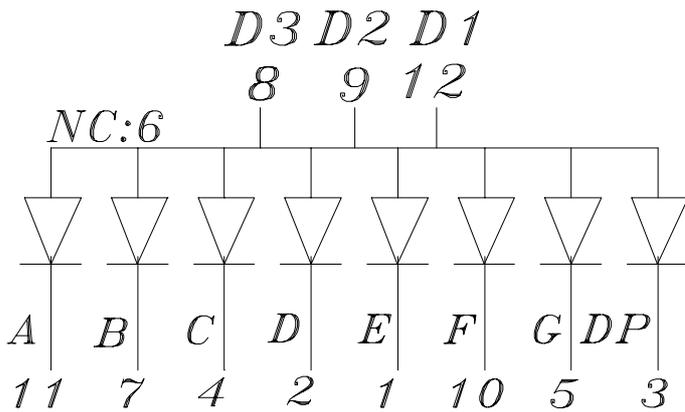
0.56" Triple Digit Displays

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■ Package Dimensions:



- COMMON ANODE
- 1 CATHODE E
 - 2 CATHODE D
 - 3 CATHODE DP
 - 4 CATHODE C
 - 5 CATHODE G
 - 6 NO CONNECT
 - 7 CATHODE B
 - 8 COMMON ANODE D3
 - 9 COMMON ANODE D2
 - 10 CATHODE F
 - 11 CATHODE A
 - 12 COMMON ANODE D1



■ Notes:

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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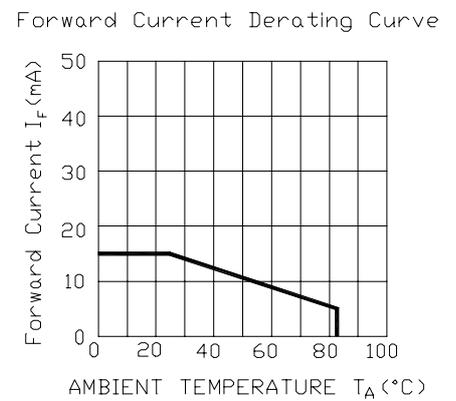
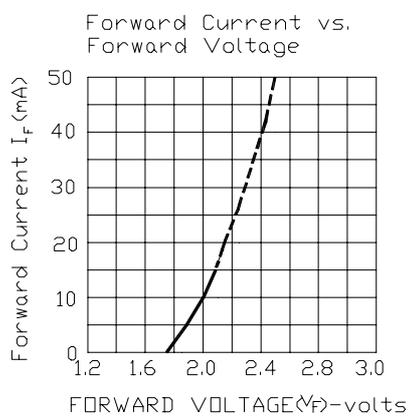
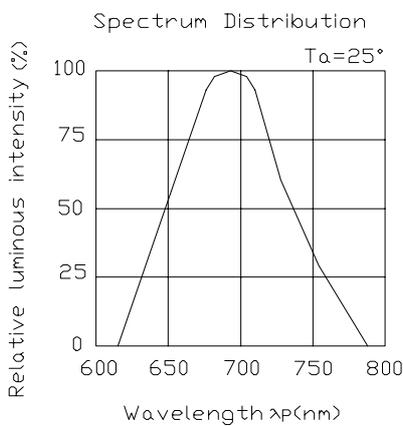
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ECN :

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■ Typical Electro-Optical Characteristic Curves:

CHIP Material:Gap
Emitted Color:Bright Red





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■ Reliability test items and conditions:

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

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