



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : DDT-316-007 REV: 1.0

0.36" Tripple Digit Display

MODEL NO : ELT-316YWB ECN : _____ Page: 1/4

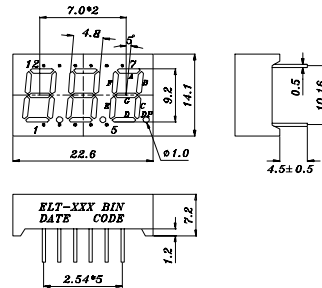
Features :

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

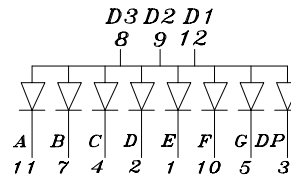
Description :

- The ELT-316 series is a large 9.2mm (0.36")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 colored segments and black surface.

Package Dimension:



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



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	
ELT-316YWB	GaAsP	Yellow	C.A.

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■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Current	Ir	10	μA
Reverse Voltage	Vr	5	V
Forward Current	If(Rec)	10~20	mA
Operating Temperature	Topr	-40 to +85	°C
Soldering Temperature	Tsol	260 ± 5	°C
Power Dissipation	Pd	85	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	0.28	0.5	----	mcd	If=10mA
	Per decimal point		0.1	0.15	----		
Peak Wavelength		λp	----	585	----	nm	If=20mA
Dominant Wavelength		λd	----	590	----	nm	If=20mA
Spectrum Radiation Bandwidth		Δλ	----	35	----	nm	If=20mA
Forward Voltage		Vf	1.7	2.0	2.8	V	If=20mA



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■ 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



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Typical Electro-Optical Characteristic Curves:

CHIP Material:GaAsP/Gap
Emitted Color:Yellow

