



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDF-532-009 REV: 1

0.56" Quadruple Digit Displays

PART NO. : ELF-532GWA/S266 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 ELF-532 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 white segments and gray surface.

PART NO.	Chip	
	Material	Emitted Color
ELF-532GWA/S266	GaP	Green

OFFICE : 7c Building ,Lian Hua Port Industrial District, Lian Hua Shan Bonded Pricessing
Zone Pan Yu, Guang Zhou, China

TEL : (020) 84860913 , 84860914

FAX : (020) 84860600

<http://www.everlight.com>

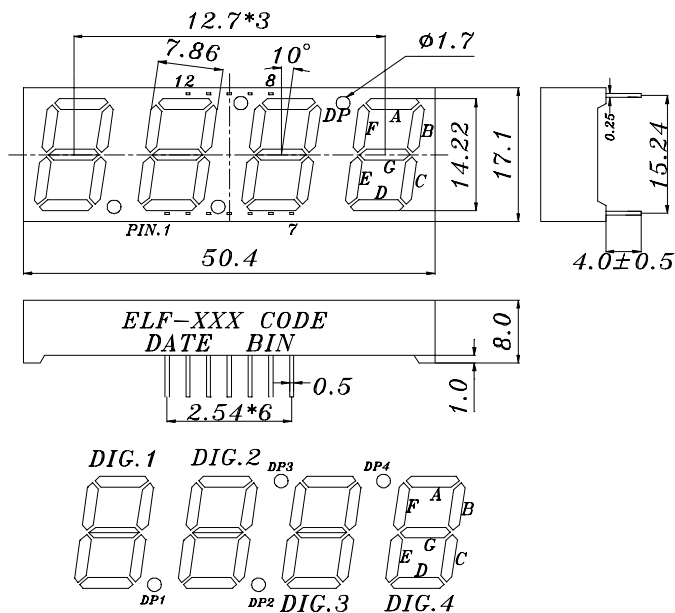
T02064 B91560045



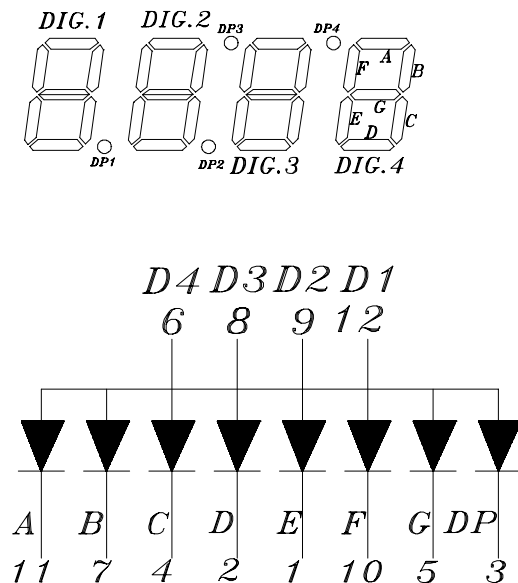
0.56" Quadruple Digit Displays

PART NO. : ELF-532GWA/S266 ECN : Page: 2/5

■ Package Dimensions:



- COMMON ANODE**
1. CATHODE E
 2. CATHODE D
 3. CATHODE DP
 4. CATHODE C
 5. CATHODE G
 6. COMMON ANODE D4
 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.



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDF-532-009 REV: 1

0.56" Quadruple Digit Displays

PART NO. : ELF-532GWA/S266 ECN : Page: 3/5

■ 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	2.8	4.5	----	mcd	IF=10mA
	Per decimal point		0.7	1.5	----		
Peak Wavelength		λ p	----	565	----	nm	IF=20mA
Dominant Wavelength		λ d	----	570	----	nm	IF=20mA
Spectrum Radiation Bandwidth		△ λ	----	30	----	nm	IF=20mA
Forward Voltage		VF	1.7	2.1	2.4	V	IF=20mA
Reverse Current		IR	----	----	10	μ A	VR=5V



EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDF-532-009

REV: 1

0.56" Quadruple Digit Displays

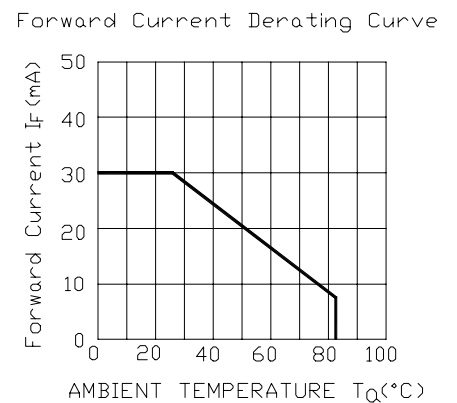
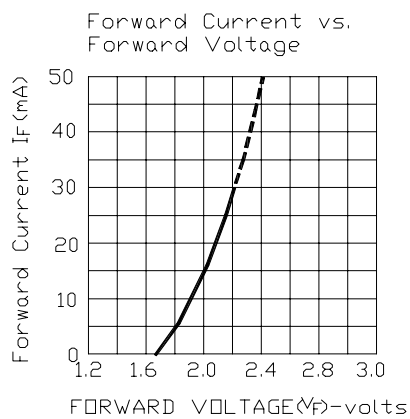
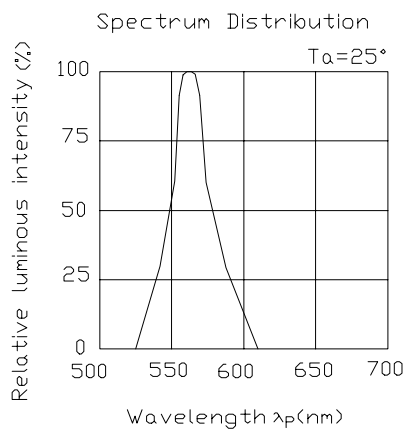
PART NO. : ELF-532GWA/S266

ECN :

Page: 4/5

Typical Electro-Optical Characteristic Curves:

GHIP Material:Gap
Emitted Color:Yellow Green





EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDF-532-009

REV: 1

0.56" Quadruple Digit Displays

PART NO. : ELF-532GWA/S266

ECN :

Page: 5/5

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