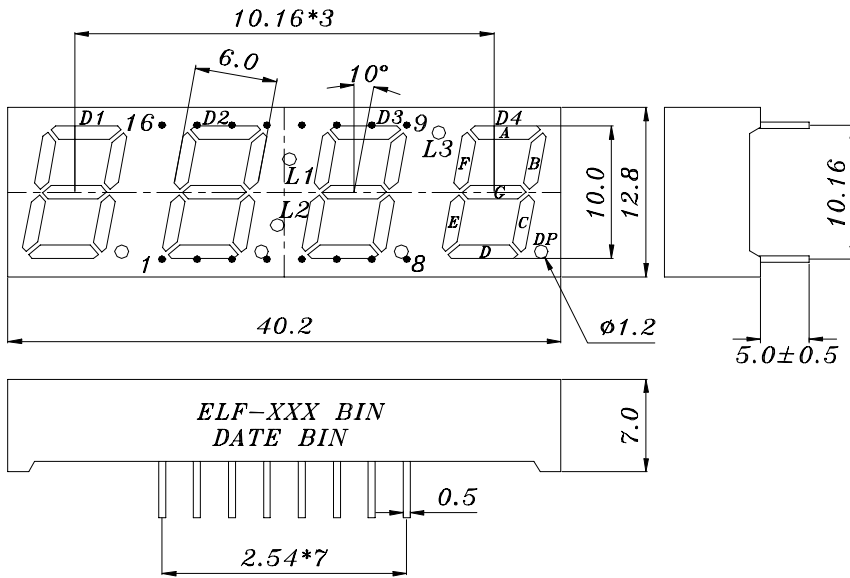


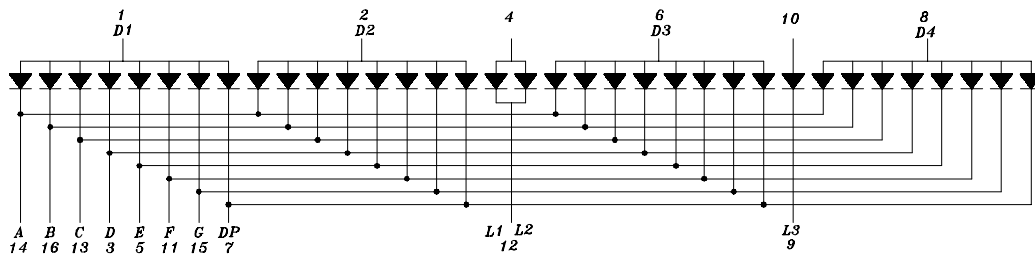
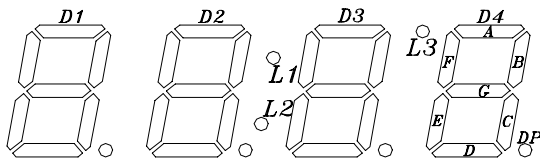


0.4" Quadruple Digit Displays

Package Dimensions:



- COMMON ANODE**
- 1 COMMON ANODE D1
 - 2 COMMON ANODE D2
 - 3 CATHODE D
 - 4 COMMON ANODE L1,L2
 - 5 CATHODE E
 - 6 COMMON ANODE D3
 - 7 CATHODE DP
 - 8 COMMON ANODE D4
 - 9 CATHODE L3
 - 10 ANODE L3
 - 11 CATHODE F
 - 12 CATHODE L1,L2
 - 13 CATHODE C
 - 14 CATHODE A
 - 15 CATHODE G
 - 16 CATHODE B



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-416-011 REV: 1

0.4" Quadruple Digit Displays

PART NO. : ELF-416SYGWA/S530-E3 ECN : Page: 3/5

■ Absolute maximum ratings at Ta = 25°C :

Parameter	Symbol	Rating	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Operating Temperature	Topr	-40 to +85	°C
Storage Temperature	Tstg	-40 to +100	°C
Soldering Temperature	Tsol	260 ± 5	°C
Electrostatic Discharge	ESD	2000	V
Power Dissipation	Pd	60	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	----	1.2	----	mcd	IF=2mA
			4.0	6.0	----		IF=10mA
	Per decimal point		----	0.4	----	mcd	IF=2mA
			1.2	2.0	----		IF=10mA
Peak Wavelength		λp	----	575	----	nm	IF=20mA
Dominant Wavelength		λd	----	573	----	nm	IF=20mA
Spectrum Radiation	Bandwidth	$\Delta \lambda$	----	20	----	nm	IF=20mA
Forward Voltage		VF	----	2.0	2.4	V	IF=20mA
Reverse Current		IR	----	----	100	μA	VR=5V



0.4" Quadruple Digit Displays

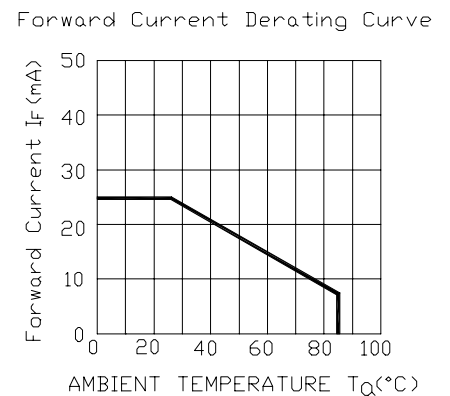
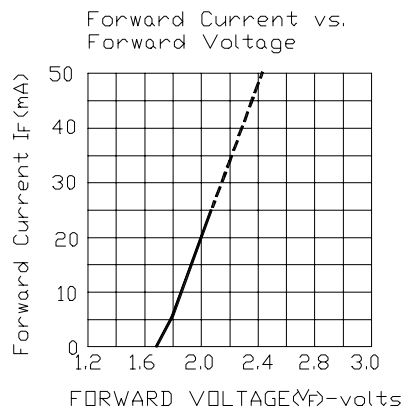
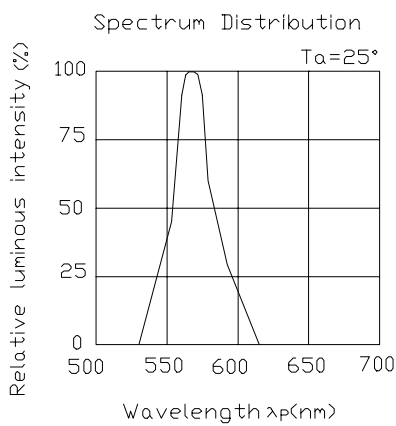
PART NO. : ELF-416SYGWA/S530-E3

ECN : _____

Page: 4/5

■ Typical Electro-Optical Characteristic Curves:

CHIP Material:AlGaInP
Emitted Color:Super Green





EVERLIGHT ELECTRONICS CO.,LTD.

Device Number : CDDF-416-011 REV: 1

0.4" Quadruple Digit Displays

PART NO. : ELF-416SYGWA/S530-E3 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

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