



# YETDA INDUSTRY LTD.

## 0.36" SINGLE DIGIT GREEN LED DISPLAY

### S-3612AGF11

#### DESCRIPTION

- \* 0.36" (9.10mm) Inch Digit Height.
- \* Super Bright Green Display.
- \* Black Face and White Segment Color.
- \* Common Anode.

#### ABSOLUT MAXIMUM RATINGS AT Ta=25°C

Parameter		UNIT
Power Dissipation Per Seg.	40	mW
Peak Forward Current Per Seg.	120	mA
Forward current Per Seg. (Static)	30	mA
Reverse Voltage Per Seg.	5	V
Operation Temperature Range	-25°C TO +80°C	°C
Storage Temperature Range	-25°C TO +100°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

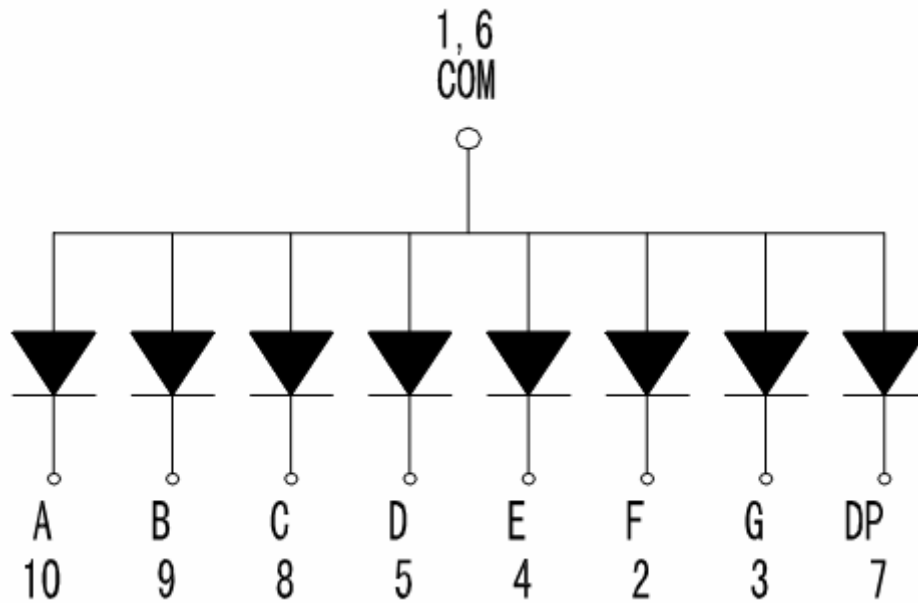
#### ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	Iv	25	30		mcd	If=20mA
Emission Wavelength	$\lambda d$		573		nm	If=20mA
Forward Voltage Per Seg.	Vf		4.0	4.8	V	If=20mA
Reverse Current Per Seg.	Ir			10	uA	Vr=5V
Luminous Intensity Matching Ratio	Iv-m		2 : 1			If=20mA

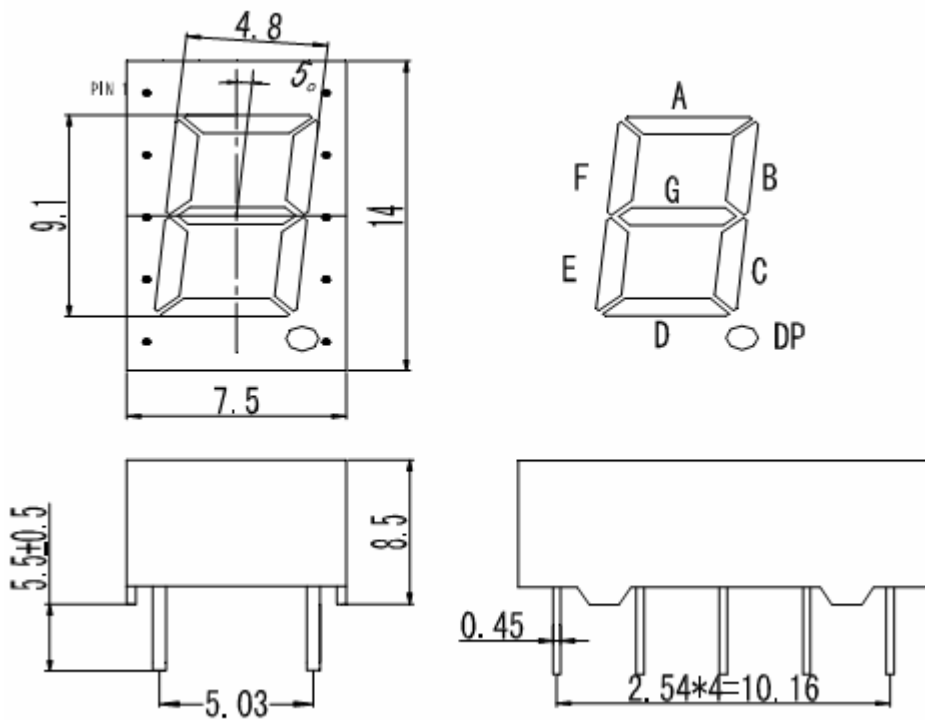


YETDA INDUSTRY LTD.

### P.C.B. Pin Connection



### Reflector Dimensions



Unit:mm



# YETDA INDUSTRY LTD.

## Typical Electro-optical Characteristic Curves (25°C Free Air Temperature Unless Otherwise Specified)

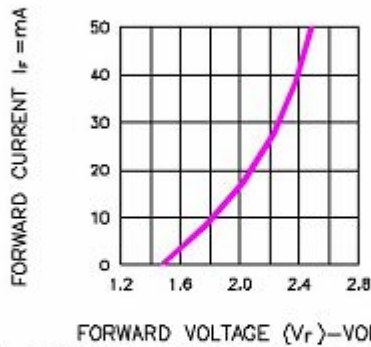


Fig.1 FORWARD CURRENT VS. FORWARD VOLTAGE

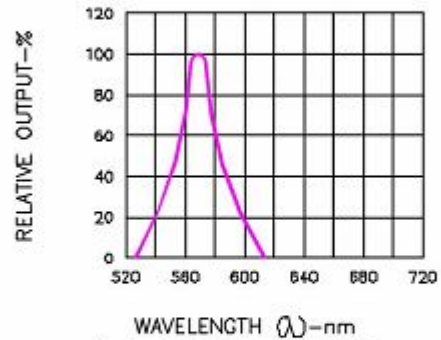


Fig.2 SPECTRAL RESPONSE

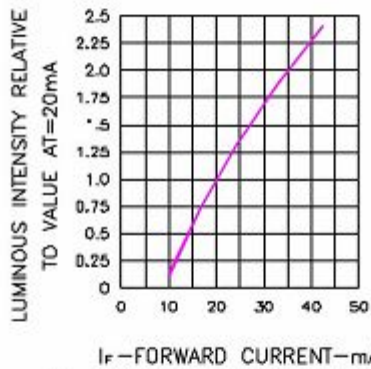


Fig.3 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

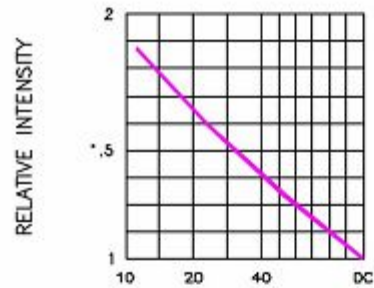


Fig.5 LUMINOUS INTENSITY VS. DUTY CYCLE

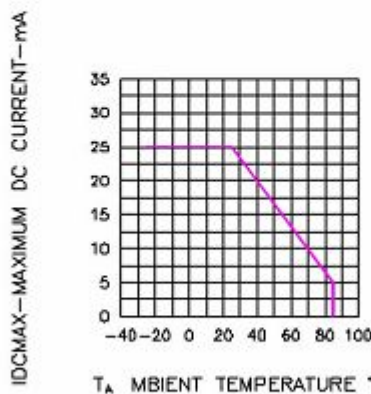


Fig.4 MAXIMUM ALLOWABLE DC CURRENT PER SEGMENT CS. A FUNCTION OF AMBIENT TEMPERATURE



Fig.6 MAX PEAK CURRENT VS. DUTY CYCLE % (REFRESH RATE f=1 KHz)