



YETDA INDUSTRY LTD.

0.43" SINGLE DIGIT GREEN LED DISPLAY

S-4312CGF21

DESCRIPTION

- * 0.43" (10.92mm) Inch Digit Height.
- * High Bright Green Display.
- * Grey 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.	60	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 +85°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

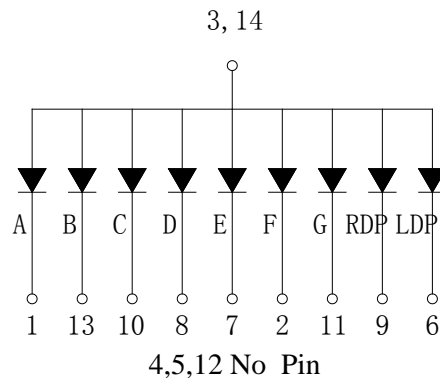
ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	Iv	30		40	mcd	If=20mA
Emission Wavelength	λd	568		573	nm	If=20mA
Forward Voltage Per Seg.	Vf	1.8	2.0	2.5	V	If=20mA
Reverse Current Per Seg.	Ir			50	uA	Vr=5V
Luminous Intensity Matching Ratio	Iv-m	2 : 1				If=20mA

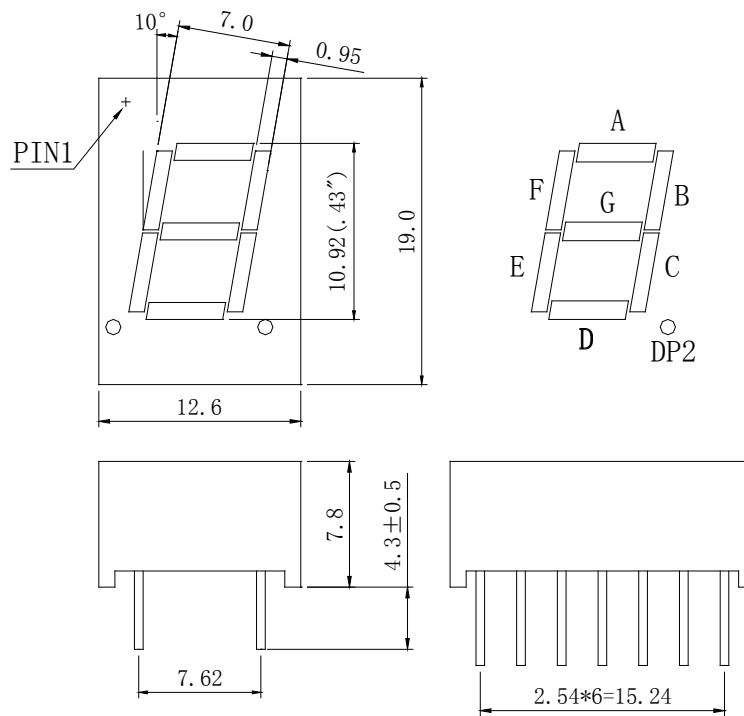


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P.C.B. Pin Connection



Reflector Dimensions



Unit:mm



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■ Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

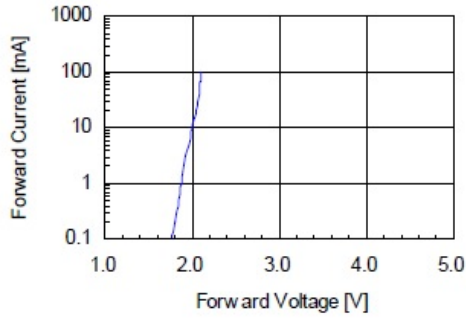


Fig 2. Relative Intensity vs. Forward Current

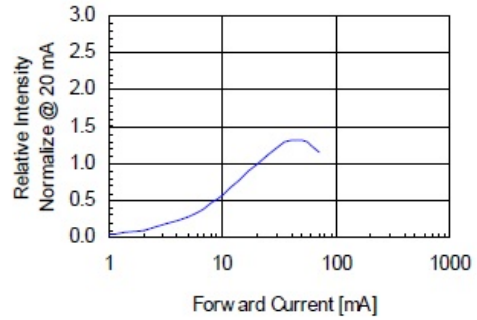


Fig 3. Forward Voltage vs. Temperature

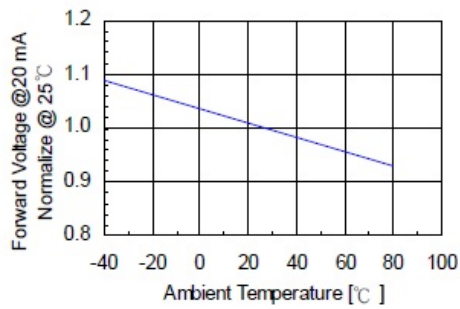


Fig 4. Relative Intensity vs. Temperature

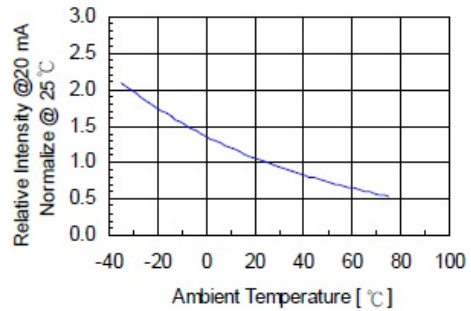
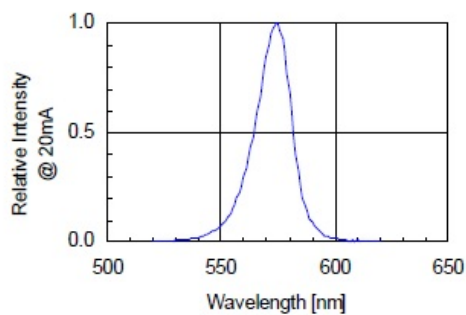


Fig 5. Relative Intensity vs. Wavelength





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Soldering

Manual of soldering

The temperature of the iron tip should not be higher than 260 °C and

Soldering within 3 seconds per solder-land is to be observed

1. DIP soldering (Wave Soldering):

Preheating: 120

°C ~ 150°C within 5 sec. 260°C (Max)

Gradual Cooling (Avoid quenching)

