



YETDA INDUSTRY LTD.

1.0" SINGLE DIGIT BLUE LED DISPLAY

S-10012RB11

DESCRIPTION

- * 1.0" (25.4mm) Inch Digit Height.
- * Ultra Bright Blue Display.
- * Black Face and White Dot Color.
- * Common Anode.

ABSOLUT MAXIMUM RATINGS AT Ta=25°C

Parameter		UNIT
Power Dissipation Per Dot	80	mW
Peak Forward Current Per Dot	120	mA
Forward current Per Dot (Static)	30	mA
Reverse Voltage Per Dot	5	V
Operation Temperature Range	-40°C TO +80°C	°C
Storage Temperature Range	-40°C TO +100°C	°C
Solder Temperature 1/16 Inch Below Seating Plane For 5 Second At 260 °C		

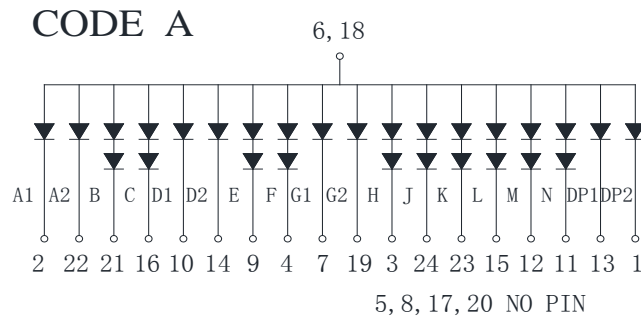
ELECTRICAL/OPTOTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL		MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	IV	B	200	225	240	mcd	If=20mA
Peak Emission Wavelength	λ d	B	463		465	nm	If=20mA
Forward Voltage	Vf	B	2.5	3.0	3.5	V	If=20mA
Reverse Current Per Dot	Ir				10	uA	Vr=5V
Luminous Intensity Matching Ratio	Iv-m		2 : 1				If=20mA

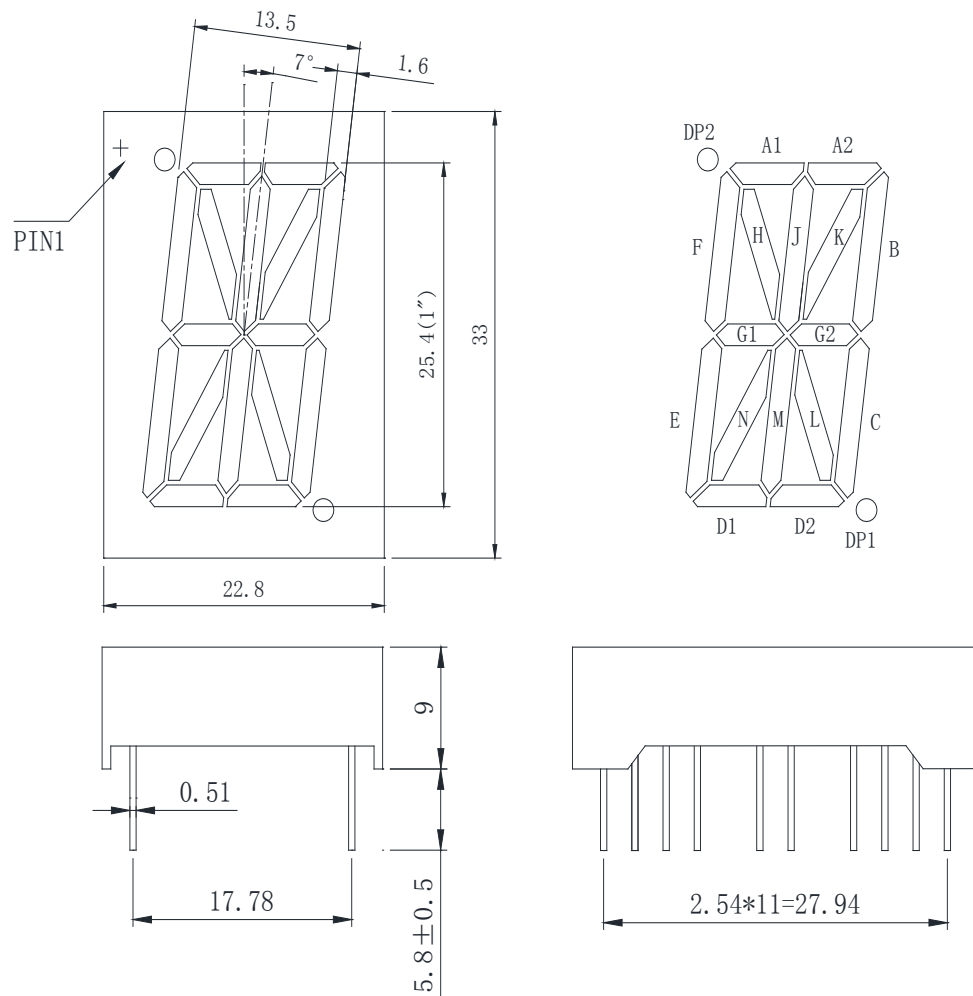


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P.C.B. Pin Connection



Reflector Dimensions



Unit:mm



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Typical Optical/Electrical Characteristics Curves

Fig1. Forward Current VS. Forward Voltage

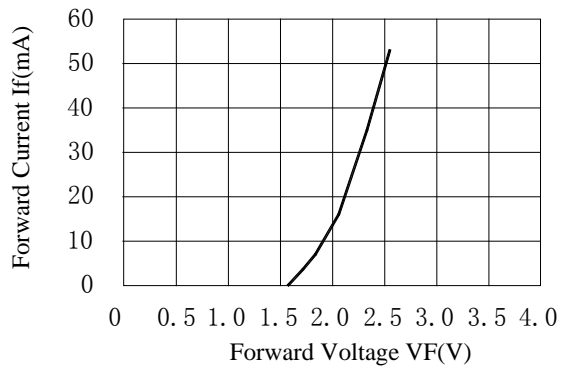


Fig2. Relative Intensity VS. Forward Current

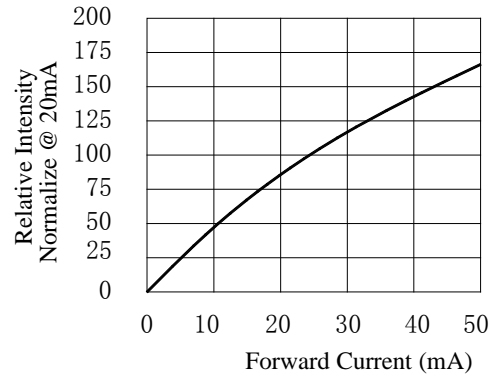


Fig3. Forward Voltage VS. Temperature

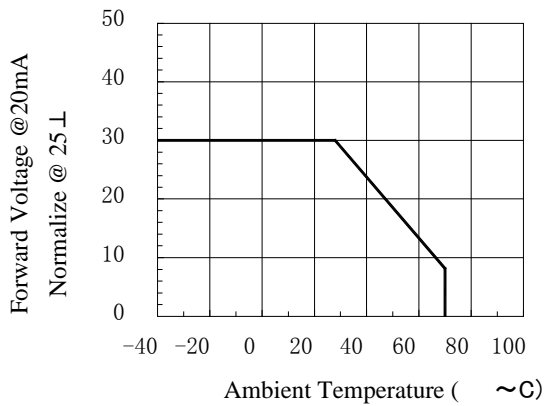


Fig4. Relative Intensity VS. Temperature

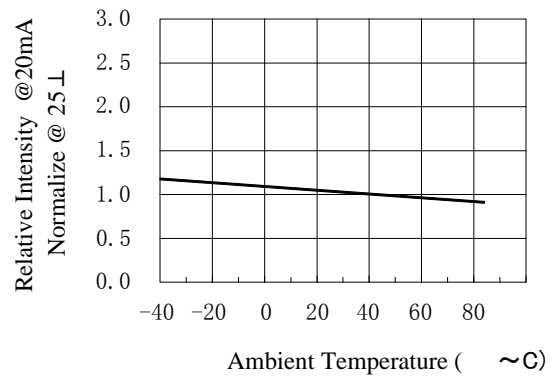


Fig5. Relative Intensity VS. Wavelength

