



YETDA INDUSTRY LTD.

0.28" DUAL DIGIT RED LED DISPLAY

D-2824AUF11-KW

DESCRIPTION

- * 0.28" (7.00mm) Inch Digit Height.
- * Super Bright Red 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.	80	mA
Forward current Per Seg.	20	mA
Reverse Voltage Per Seg.	5	V
Operation Temperature Range	-40°C TO +85°C	°C
Storage Temperature Range	-40°C TO +85°C	°C
Lead Soldering Temperature	260°C for 3 seconds 1.6mm(1/16 inch) from body	

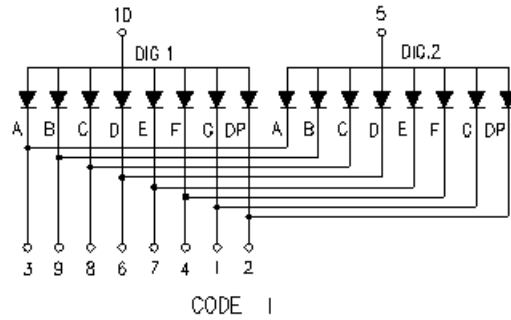
ELECTRICAL/OPTICAL CHARACTERISTIC AT Ta=25°C

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	CONDITION
Average Luminous Intensity	I _v	25	30	33	mcd	I _F =20mA
Emission Wavelength	λ _D		638	645	nm	I _F =20mA
Forward Voltage Per Seg.	V _F		2.0	2.3	V	I _F =20mA
Reverse Current Per Seg.	I _R			10	uA	V _R =5V
Luminous Intensity Matching Ratio	I _v -m			2 : 1		I _F =20mA

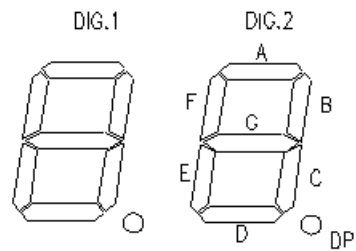
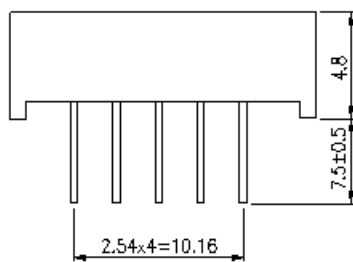
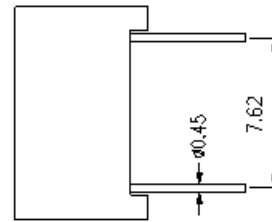
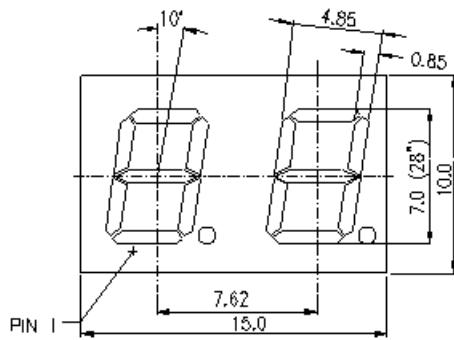


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P.C.B. Pin Connection



Reflector Dimensions



Unit:mm



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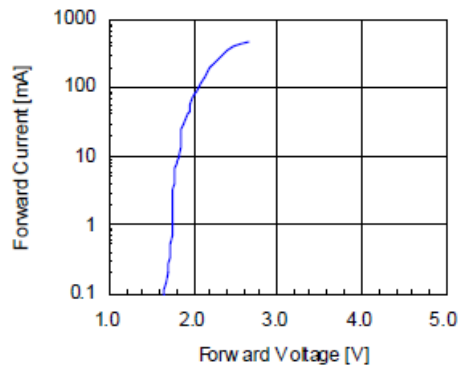


Fig 3. Forward Voltage vs. Temperature

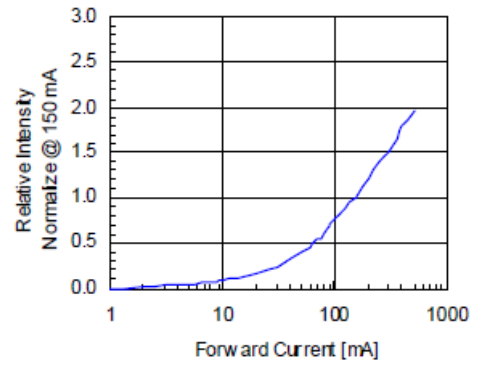


Fig 4. Relative Intensity vs. Temperature

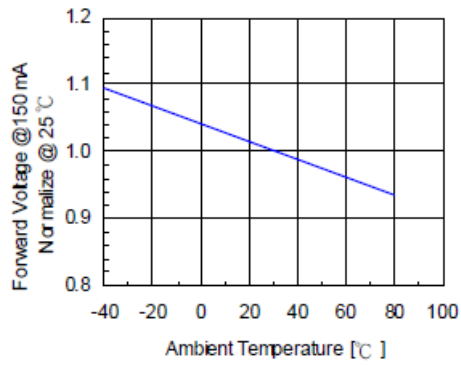
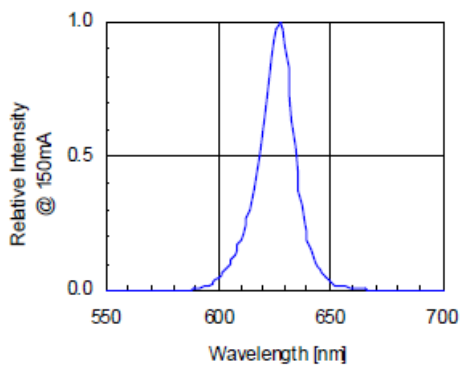
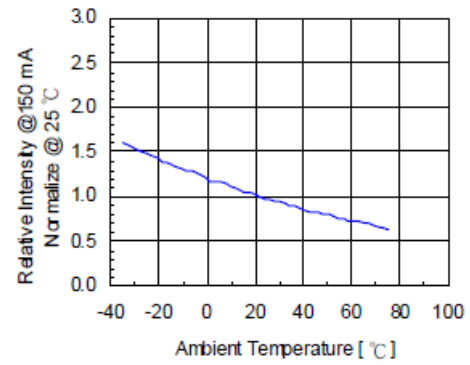


Fig 5. Relative Intensity vs. Wavelength





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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)

