

# 承 认 书

## SPECIFICATION FOR APPROVAL

客户： 乔山

CUSTOMER \_\_\_\_\_

品名： 0.4英寸3位8字共阴白光内置芯片数码管

DESCRIPTION \_\_\_\_\_

型号： JCP-4031AW-1652

MODEL \_\_\_\_\_

日期： 2025.07.30

DATE \_\_\_\_\_

### 承 制 方

MANUFACTURER:

制 表 DRAFTING	审 核 CHECK	核 准 APPROVE
李 丽	肖孟飞	

### 使 用 方

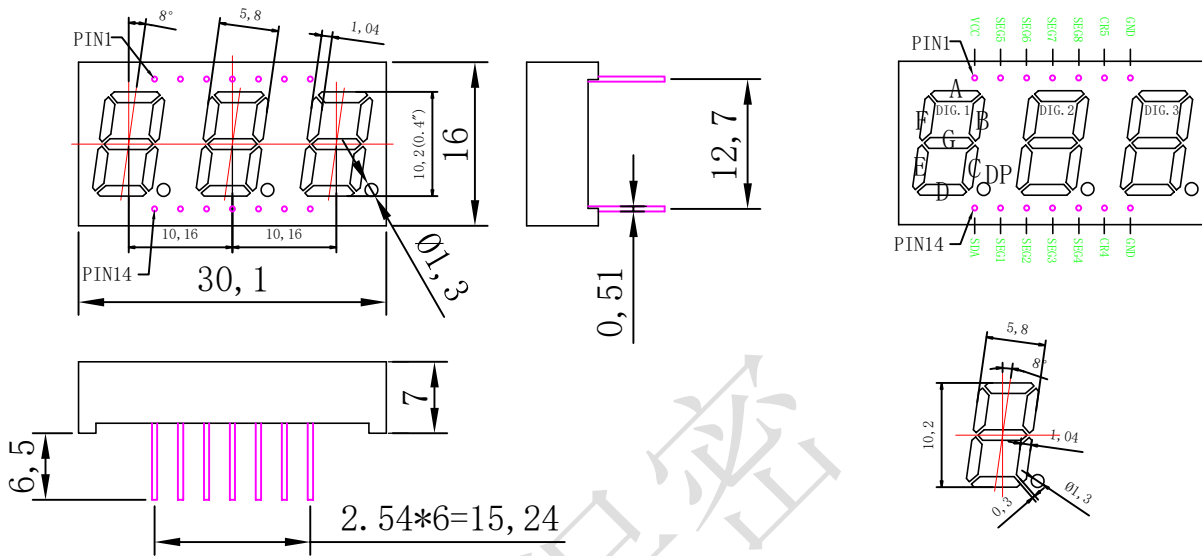
USER:

核 准 APPROVE	签 章

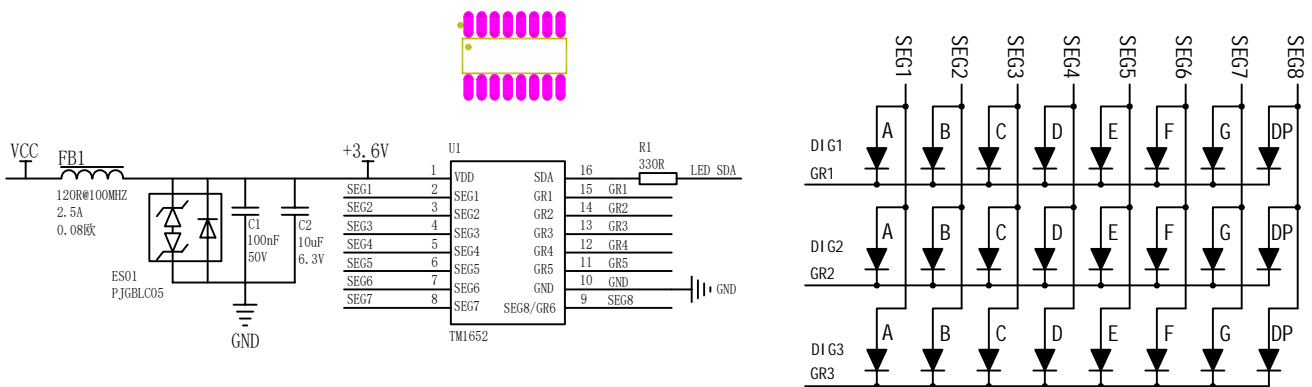
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中国上海市静安区江场一路45号增美都市工业园区9号楼  
地 址 \_\_\_\_\_

## PACKAGE DIMENSION

JCP-4031AW-1652



## INTERNAL CIRCUIT DIAGRAM



## Absolute Maximum Ratings(Ta=25° C)

Reverse Voltage	5V <sub>olt</sub>
Reverse Current(V <sub>r</sub> =5V)	10 $\mu$ A
Operating Temperature Range	-40°C ~ +85°C
Storage Temperature Range	-40°C ~ +100°C
Lead Solder Temperature	(1.6mm From Body)260°C For 3 second

## Electro/Optical Characteristic(Ta=25°C)

### Optical Characteristic(ATTA=25°C)

PARAMETER	SYMBAL				UNIT	CONDIT ION
		MIN	TYP	MAX		
Forward bol tage	V <sub>F</sub>	2.8		3.2	V	I <sub>F</sub> =20mA
Peak emissi on wavel ength	CCT		90000K		nm	I <sub>F</sub> =20mA
Spectral line hai f-width	$\Delta \lambda$		30		nm	I <sub>F</sub> =20mA
Average Luminous Intensity	I <sub>V</sub>		250		Mcd	I <sub>F</sub> =20mA
Reverse Current	I <sub>R</sub>			10	$\mu$ a	V <sub>r</sub> =10mA
Seg. To Seg. L1. Ratio	I <sub>V</sub> -M		1.5:1			

(25°C AMBIENT TEMPERATURE UNLESS OTHERWISE NOTED)

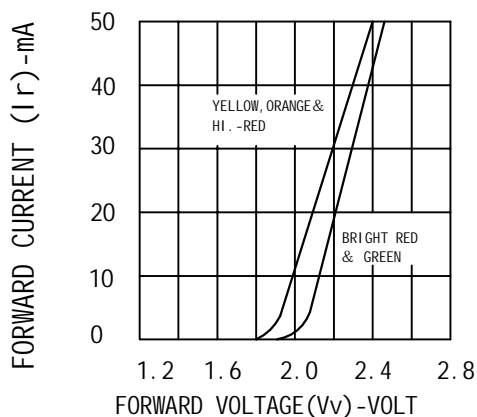


FIG. 1 FORWARD CURRENT Vs. FORWARD VOLTAGE

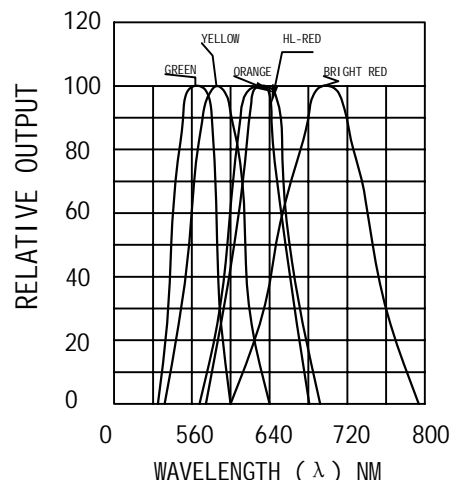


FIG. 2 SPECTRAL RESPONSE

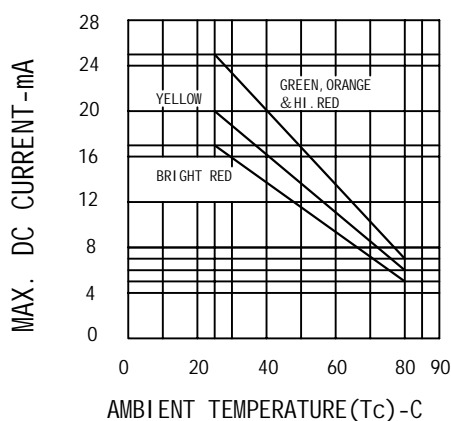


FIG. 4 MAX. ALLOWABLE DC CURRENT PRE SEG. Vs AMBIENT TEMPERATURE

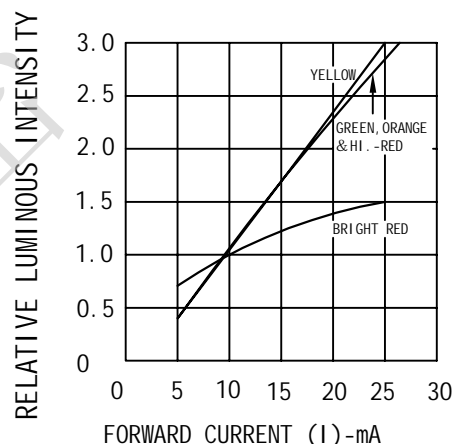


FIG. 3 RELATIVE LUMINOUS INTENSITY Vs FORWARD CURRENT (PER SEGMENT)

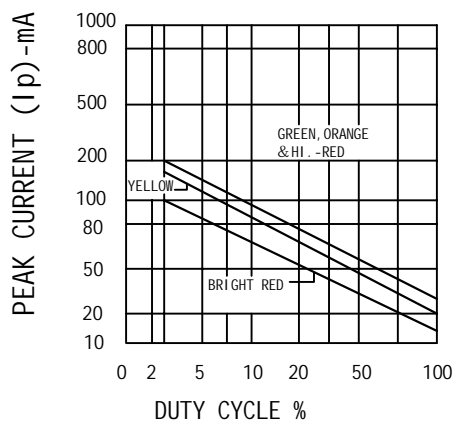


FIG. 5 MAX. PEAK CURRENT Vs DUTY CYCLE% (REFRESH RATE - F 1KHz)

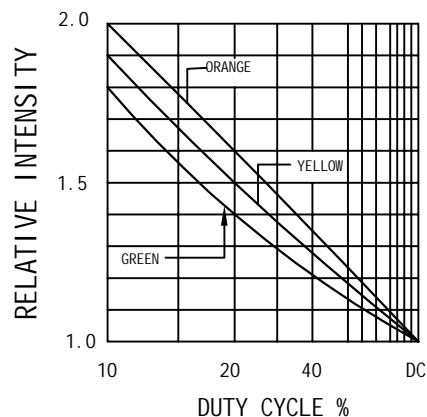


FIG. 6 LUMINOUS INTENSITY Vs DUTY CYCLE% (AVERAGE I=10mA PER SEG.)