

承 认 书

SPECIFICATION FOR APPROVAL

客户：乔山

CUSTOMER

品名：0.54英寸2位米8共阴白光数码管

DESCRIPTION

型号：JCP-5421AW-01

MODEL

日期：2025.06.06

DATE

承 制 方

MANUFACTURER:

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

使 用 方

USER:

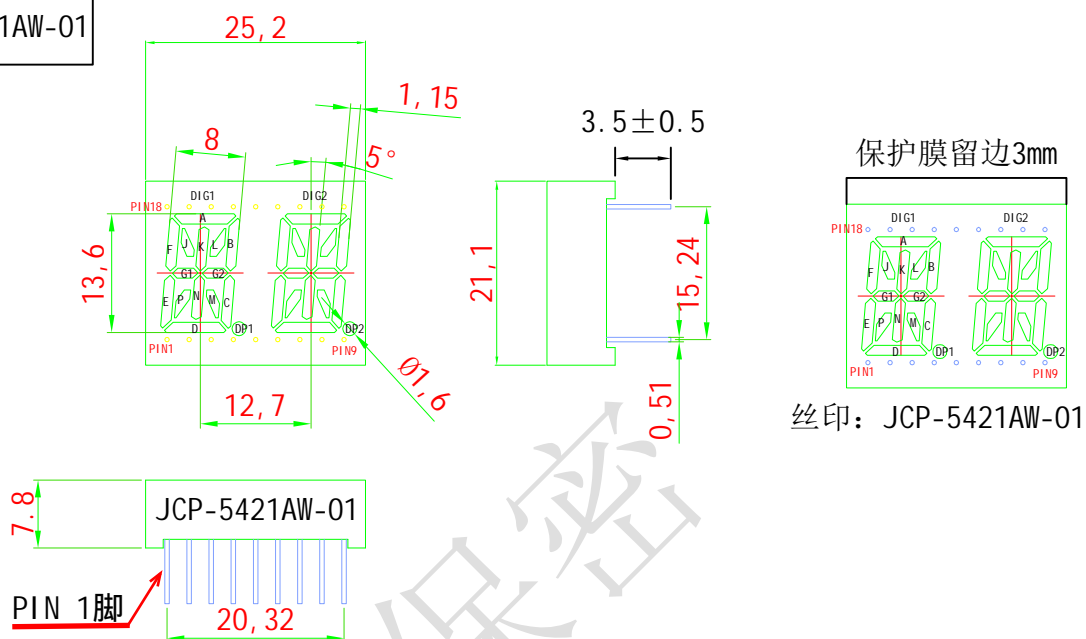
核 准 APPROVE	签 章

公司名称 上海彩尚实业有限公司 电话 TEL 021-22811028

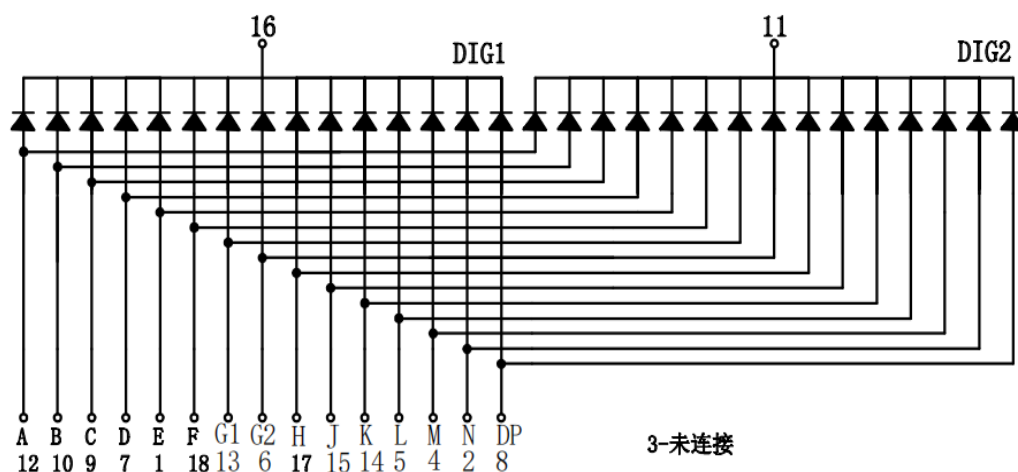
地 址 中国上海市静安区江场一路45号增美都市工业园区9号楼

PACKAGE DIMENSION

JCP-5421AW-01



INTERNAL CIRCUIT DIAGRAM



Absolute Maximum Ratings(Ta=25° C)

Reverse Voltage	5V _{olt}
Reverse Current(Vr=5V)	10 μ 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	SYMBOL				UNIT	CONDITION
		MIN	TYP	MAX		
Forward voltage	V _F	2.8		3.2	V	I _F =20mA
Peak emission wavelength	CCT		90000K		nm	I _F =20mA
Spectral line half-width	$\Delta \lambda$		30		nm	I _F =20mA
Average Luminous Intensity	I _V		250		Mcd	I _F =20mA
Reverse Current	I _R			10	μ a	V _r =10mA
Seg. To Seg. L1. Ratio	I _V -M		1.5:1			

(25°C AMBIENT TEMPERATURE UNLESS OTHERWISE NOTED)

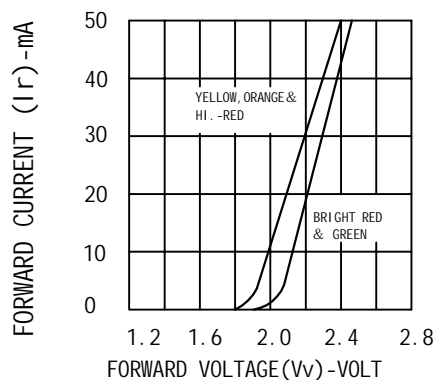


FIG. 1 FORWARD CURRENT Vs, FORWARD VOLTAGE

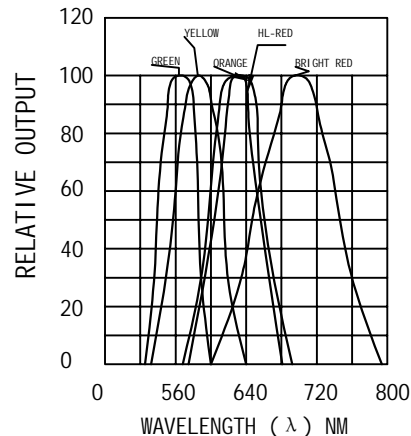


FIG. 2 SPECTRAL RESPONSE

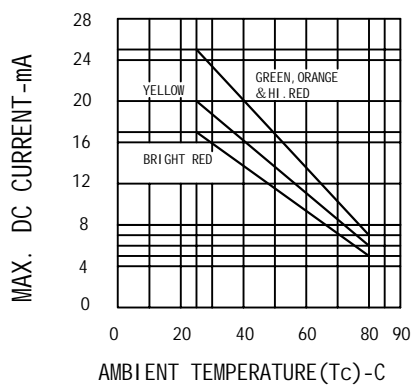


FIG. 4 MAX. ALLOWABLE DC CURRENT PRE SEG. Vs AMBIENT TEMPERATURE

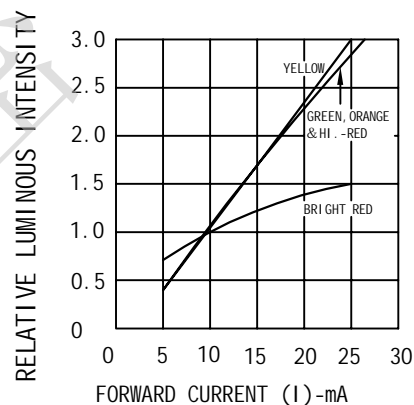


FIG. 3 RELATIVE LUMINOUS INTENSITY Vs FORWARD CURRENT (PER SEGMENT)

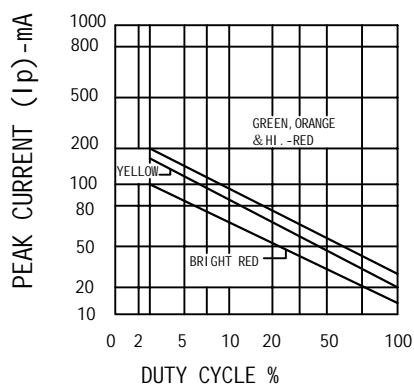


FIG. 5 MAX. PEAK CURRENT Vs DUTY CYCLE% (REFRESH RATE -F 1KHz)

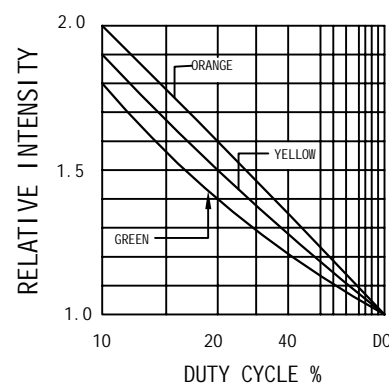


FIG. 6 LUMINOUS INTENSITY Vs DUTY CYCLES (AVERAGE I=10mA PER SEG.)

物料BOM表

物料BOM表 Material Name		规格 Speci fi cati on	单位 Uni t	供应商 Vendor
1	反射盖（REF）	PP0	PCS	华大，南化，威利广
2	PCB线路板	CEM3/FR4	PCS	华大. 南化. 威利广
3	导针（PIN）	铜包钢镀锡 0.51*10.28*0.72	PCS	振鑫. 凯修
4	SMD0402	金板金线	PCS	三安. 圆融.
5	环氧树脂	7002AB	g	惠利. 三通
6				