

承 认 书

SPECIFICATION FOR APPROVAL

客户：美迅工程实业有限公司

CUSTOMER

品名：0.3英寸三位贴片式黄绿色数码管

DESCRIPTION

型号：HQ-S3031BG

MODEL

日期：2014.06.19

DATE

注意:请恒流驱动,恒压驱动会因为电压不一致而抢电,导致亮度不均.

备注:样品只能用于对数码管外形、颜色、脚位、引脚长度、表面保护膜以及极性的确认。不作为批量生产时亮度、波长、胶量、电压的标准。因此,在批量供货后,限流电阻可能需要有小调整,以适应电压、亮度的变化。

承制方

MANUFACTURER:

制表 DRAFTING	审核 CHECK	核准 APPROVE
李玲		

使用方

USER:

核准 APPROVE	签章

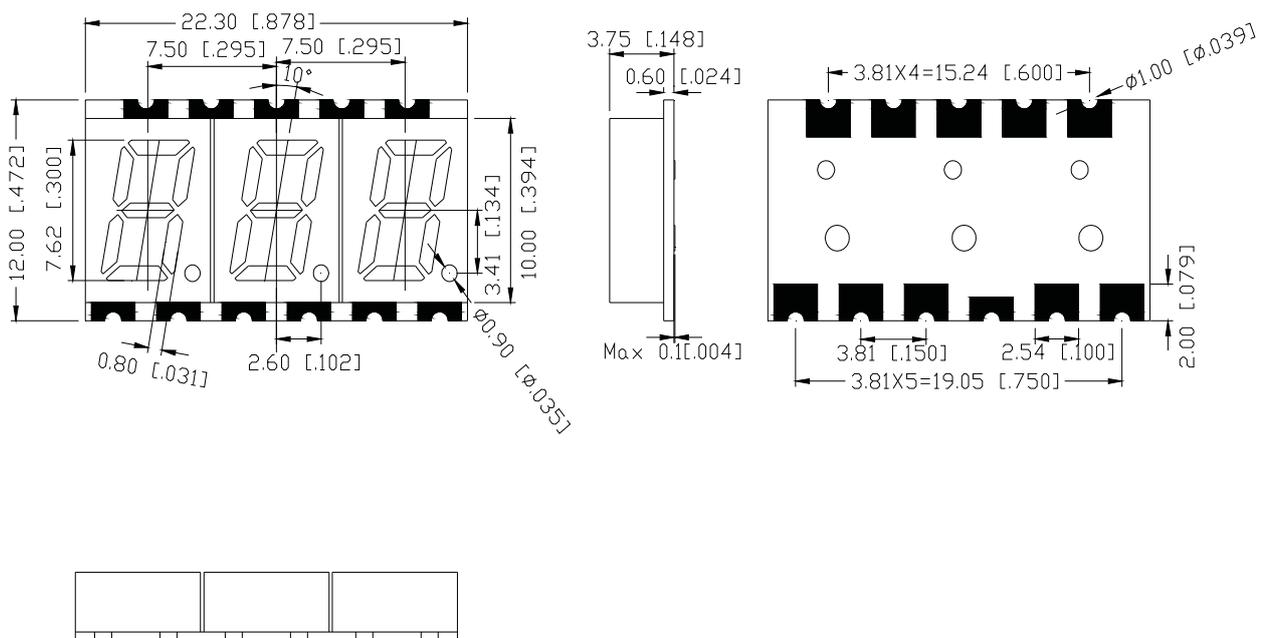
1. 产品描述 DESCRIPTION:

- 灰色显示面, 白色笔段 Gray face, White Epoxy
- 共阳显示屏 Common Anode Display
- 黄绿色显示, Yellow Green Color
- 符合 RoHS 要求 RoHS Compliant

2. 产品特征 FEATURES:

- 高可靠性和高稳定性 High intensity and reliability
- 高品质、和低功耗 High quality, Low power requirement
- IC 易兼容, 易装配 IC compatible , Easy assembly
- ESD1000V

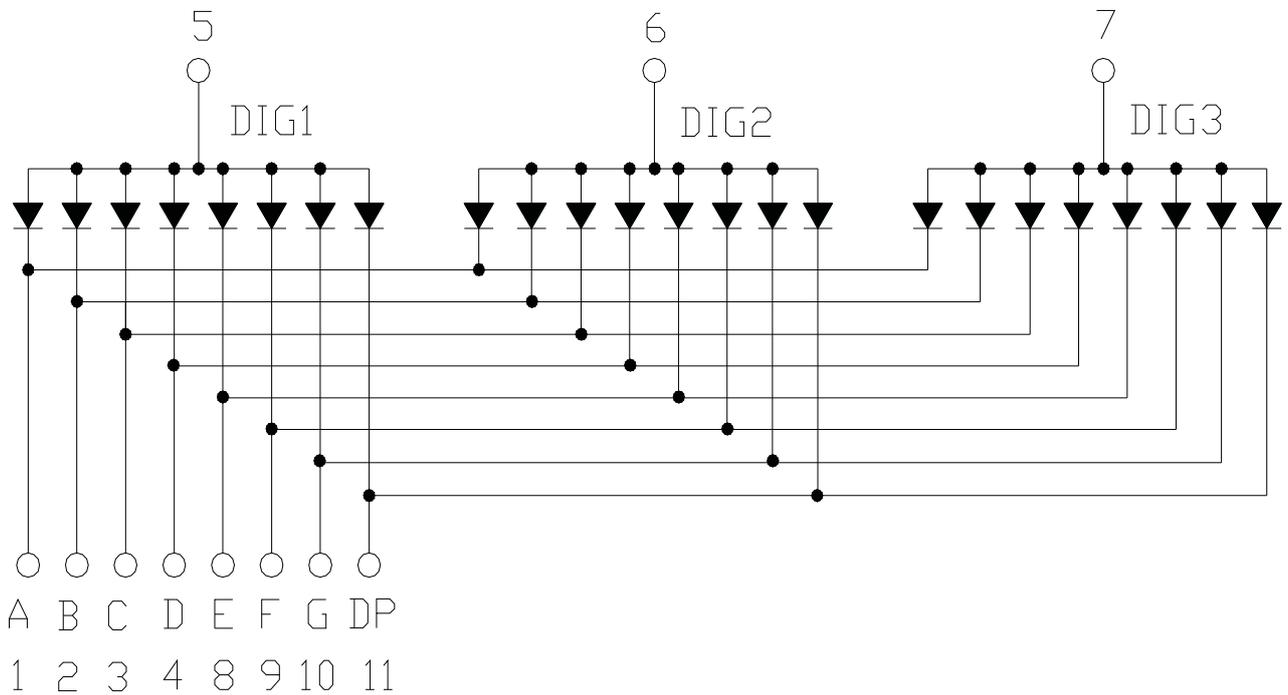
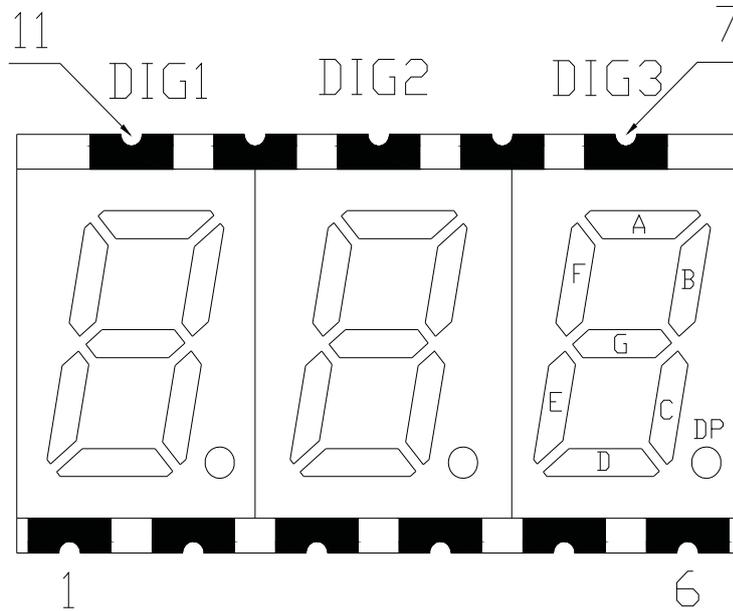
3. 产品外形尺寸 Outer Dimension:



备注: 未标注公差尺寸均为 $\pm 0.25\text{mm}$

NOTES: All dimensions are in millimeters (inches) tolerance are $\pm 0.25\text{mm}(0.010)$ unless otherwise noted

4. 产品线路图 INTERNAL CIRCUIT DIAGRAM



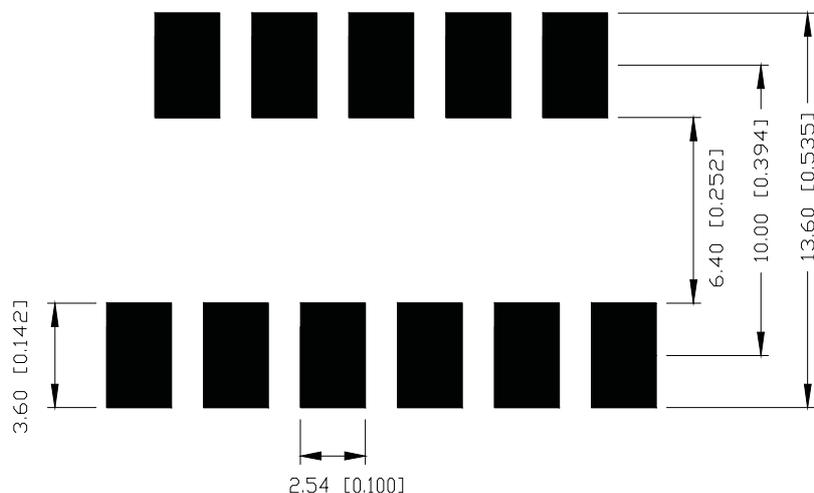
5、产品最大绝对参数值 (Ta: 25°C) ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

参数 (PARAMETER)	最大值 Max.	单位 UNIT
每段功耗 Power Dissipation Per Segment	52	mW
每段峰值电流 Peak Forward Current Per Segment (1/10duty cycle 0.1ms pulse width)	100	mA
每段平均正向电流 Average Forward Current Per Segment	20	mA
从室温线性减少 Derating Linear From 25°C Per Segment	0.33	mA/°C
每段反向电压 Reverse Voltage Per Segment	5	V
工作条件温度 Operating Temperature Range	-40°C to + 105°C	
储存温度 Storage Temperature Range	-40°C to + 105°C	
距离胶体 1.6mm 焊接, 温度 260°C, 焊接时间最多 3 秒 Lead Soldering Temperature 260°C at 1.6mm From Body for 3 seconds		

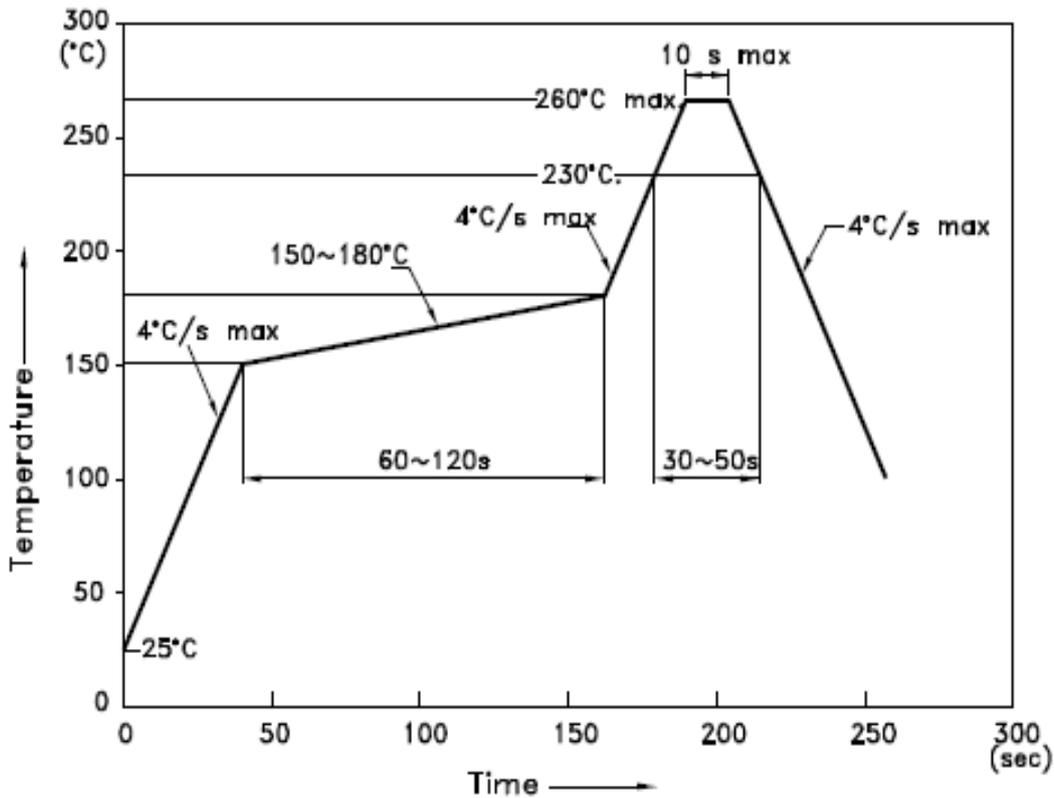
6、产品光电参数值 (Ta: 25°C) ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:

参数 PARAMETER	符号 SYMBOL	MIN.	TYP.	MAX.	UNIT	测试条件 Test condition
每段亮度 Luminous Intensity Per Segment	I_v	—	7	—	mcd	$I_F=10mA$
主波长 Dominant Wavelength	λ_d	—	570	—	nm	$I_F=20mA$
光谱半宽度 Spectral Line Half-Width	$\Delta\lambda$	—	30	—	nm	$I_F=20mA$
每颗正向电压 Forward Voltage Per Dice	V_F	—	2.0	2.6	V	$I_F=20mA$
每颗反向电流 Reverse Current Per Dice	I_R	—	—	50	μA	$V_R=5V$

7、推荐使用的焊盘尺寸 Recommended Soldering Pattern:



8、推荐的 SMT 焊接曲线 Recommended SMT condition:



NOTES:

1. We recommend the reflow temperature 245°C(+/-5°C). The maximum soldering temperature should be limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.