



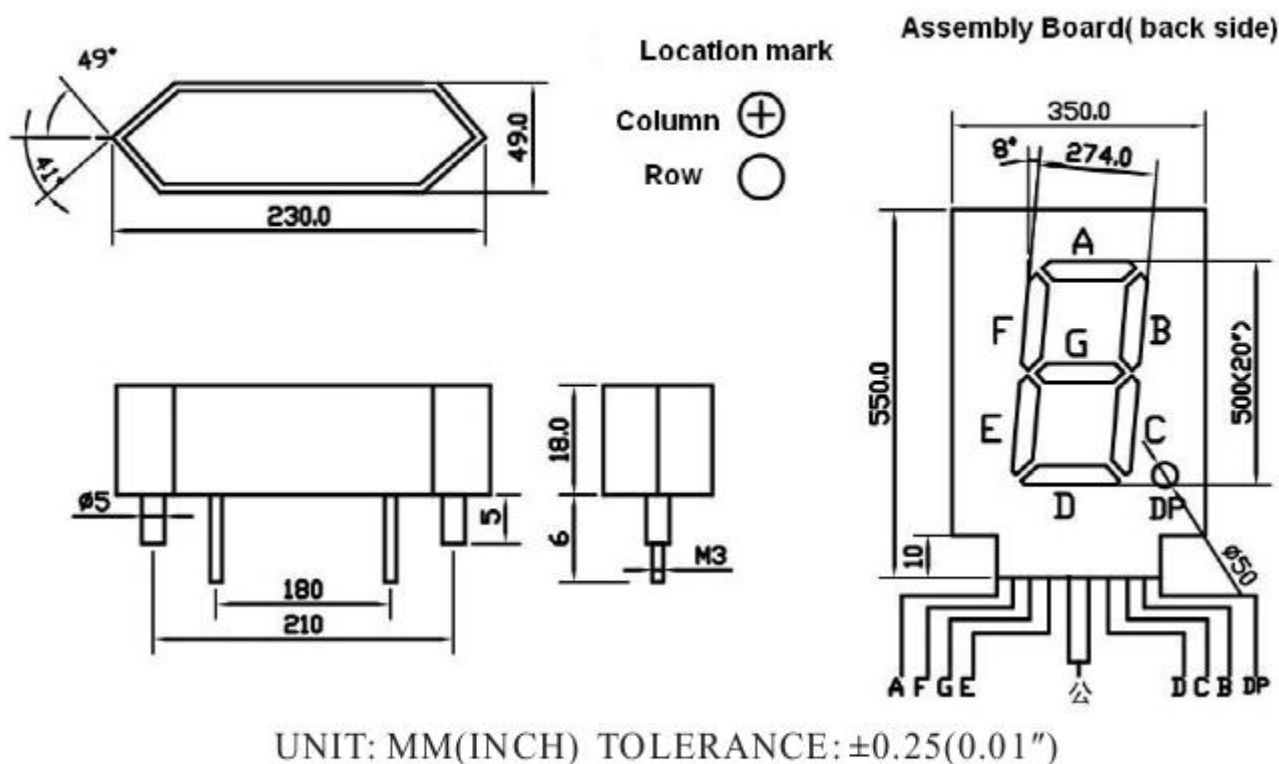
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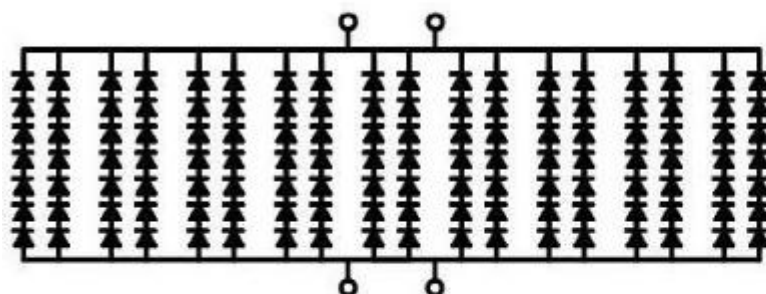
Package Dimensions

CPS200011



Internal Circuit Diagram

200011-7 每笔段线路排列
PCB-A-7 串18并



PCB-DP-7 串4并



Single Digital Displays Series

Part Number: CPS200011R High Efficiency Red

DESCRIPTION

- 500mm (20") single digital display series
- Standard brightness.
- Low current operation.
- Excellent character apperance.
- Easy mounting on P.C.boards or sockets.

产品最大绝对参数值 Absolute maximum ratings (Ta=25℃)

每段参数 PARMETER PER SEGMENT	符号 SYMBOL	最大数 MAX	单位 UNIT
反向电压 Reverse Voltage	VR	5	V/Seg
正向电流 Forward Current	IF	360	mA/Seg
正向电流 Forward Current	IF	80	mA/Dot
功耗 Power Dissipation	PA	5.8	W/Seg
功耗 Power Dissipation	PA	1.29	W/dot
工作条件温度 Operating Temperature Range	-25℃ to +85℃		
储存温度 Storage Temperature Range	-30℃ to +85℃		
距离胶体 1.6mm 焊接, 温度 260℃,焊接时间最多 3 秒 Lead soldering Temperatur260℃ at 1.6mm Form Body For 3 Seconds			

产品光电参数值 ELECTRICAL/OPTICAL CHARACTERISTICS (Ta=25℃)

参数 PARMETER	符号 SYMBOL	MIN	TYP	MAX	UNIT	测试条件 Vest condition
每段亮度 Luminous Intensity Per Dice	Iv	80	90	100	mcd	IF=20mA
每段正向电压 Forward Voltage Per segment	VF		14.7	16.1	V	IF=20mA
每段正向电压 Forward Voltage for Dot	VF		14.7	16.1	V	IF=20mA
波长 Wavelength	λ_p / λ_d		625/ 620		nm	IF=20mA
半波长度 Spectrum width of half value	$\Delta \lambda$		20		nm	IF=20mA
每段反向电流 Reverse Current Per Segment	IR			10	μA	VR=5V

器件表面及封装颜色 Surface / Lens color

Number	0	1	2	3	4
Ref Surface Color	White	Black	Gray	Red	Green
Epoxy Color	Water clear	White Diffused	Red Diffused	Green Diffused	Yellow Diffused