



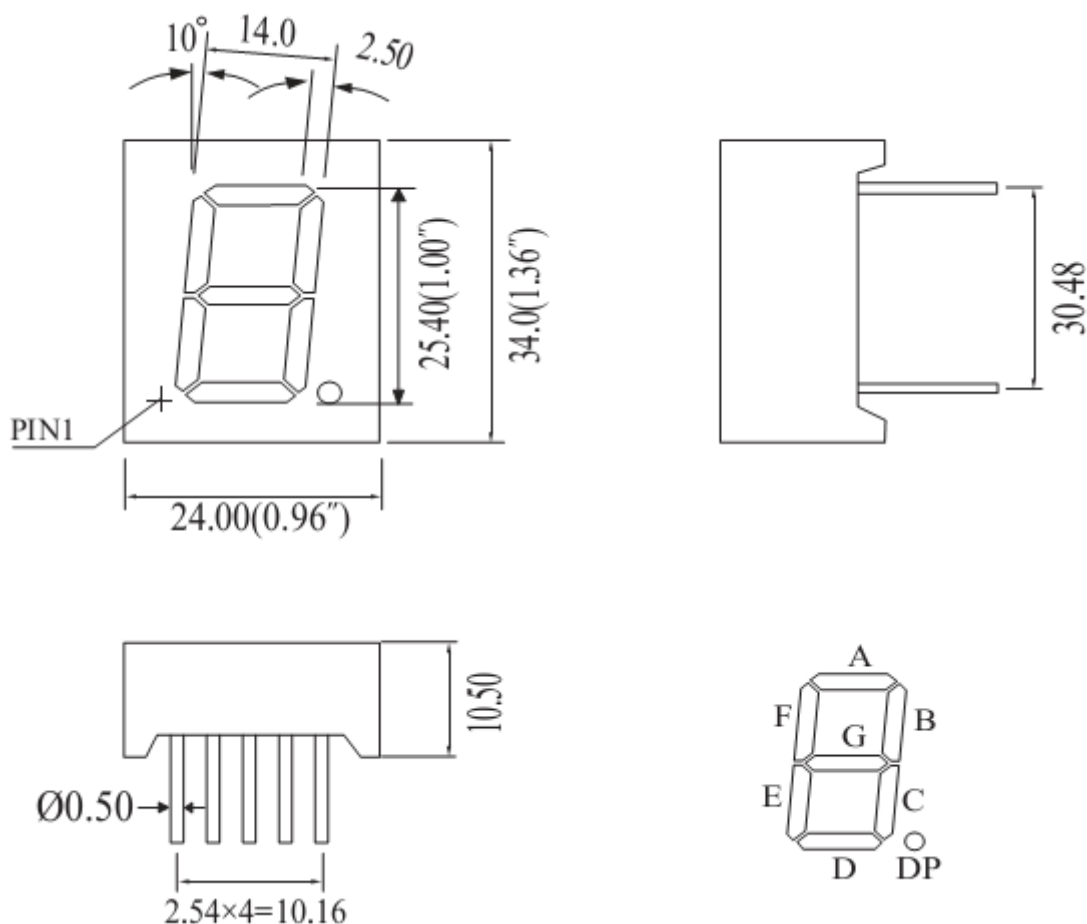
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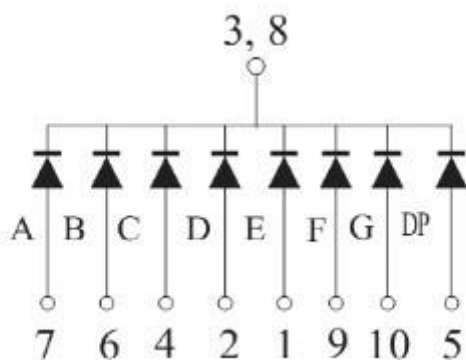
Package Dimensions

CPS10016



UNIT: MM(INCH) TOLERANCE: ±0.25(0.01")

Internal Circuit Diagram



10016C

Single Digital Displays Series

Part Number: CPS10016CW-11 Super Bright White

DESCRIPTION

- 25.4mm (1.0") Single digital display series. Common cathode, black surface, white diffused.
- Super brightness.
- Low current operation.
- Excellent character appearance.
- 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	20	mA/Seg
峰值电流 (0.1ms) Peak Forward current(1/10 Duty Cycle)	IPEAK	120	mA/Seg
功耗 Power Dissipation	PA	64	mW/Seg
功耗 Power Dissipation	PA	64	mW/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 PARAMETER	符号 SYMBOL	MIN	TYP	MAX	UNIT	测试条件 Test condition
每段亮度 Luminous Intensity Per Segment	Iv	900		1100	mcd	IF=20mA
每段正向电压 Forward Voltage Per segment	VF	3.1	-	3.2	V	IF=20mA
每段正向电压 Forward Voltage for Dot	VF	3.1	-	3.2	V	IF=20mA
波长 Wavelength	λ_p / λ_d		X: 0.29 Y: 0.31		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