

SPECIFICATION FORM**FEATURES**

- ◇ 7.0 INCHES (176.0MM) DIGIT HEIGHT
- ◇ 130.0MM×196.0MM OUTLINE
- ◇ SINGLE ULTRA DIGIT
- ◇ SINGLE COLOR
- ◇ EASY ASSEMBLY
- ◇ HIGH BRIGHTNESS
- ◇ SOLID STATE RELIABILITY

DESCRIPTION

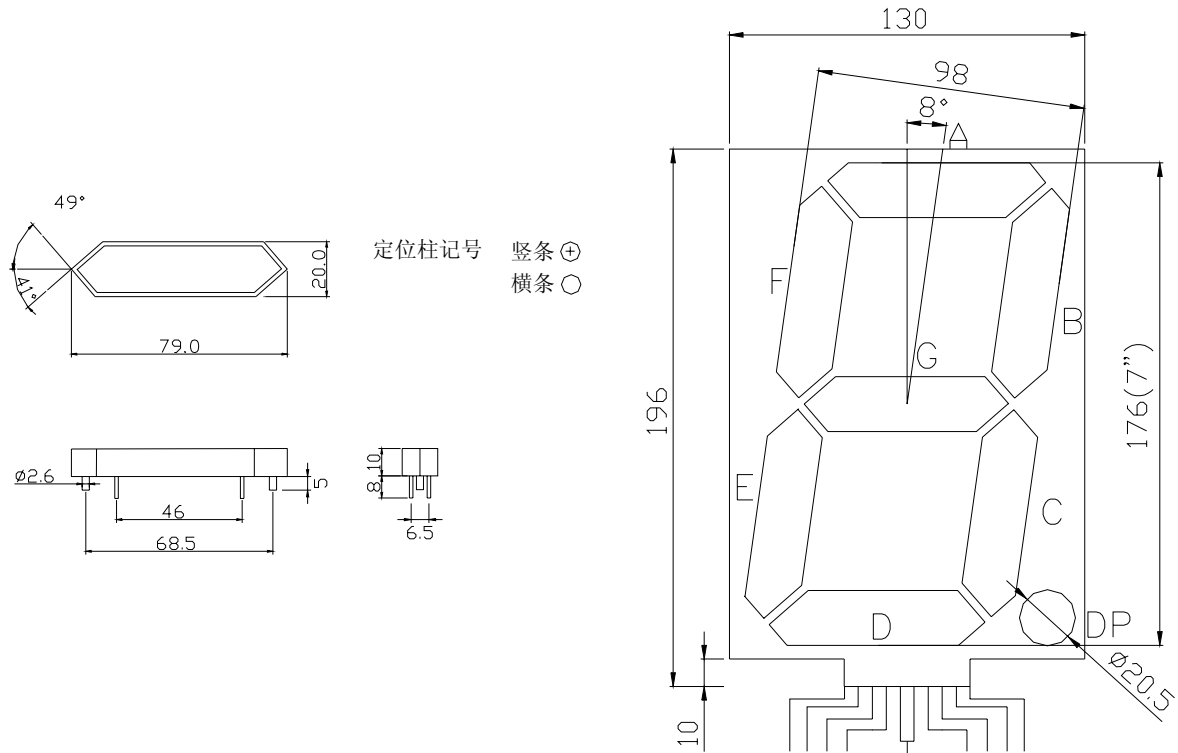
The REC-S70101ASR is a 7.0inches(176.0mm) digit height, 130.0mm×196.0mm outline, single color, single ultra digit numeric display. This display utilizes super-red LED fabricated from GaAlAs epiwafer on GaAs substrate grown by liquid phase epitaxy. The devices have black face and white segments.

DEVICE

PART NO.	EMITTING COLOR	DESCRIPTION
REC-S70101ASR	Super-Red	Common Anode

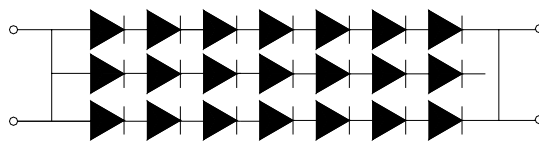
PACKAGE DIMENSION

组装板走线图（反面）



INTERNAL CIRCUIT DIAGRAM

70011-7 每笔段线路排列
PCB-A-7 串3并



PCB-DP



PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode A	6	Cathode D
2	Cathode F	7	Cathode C
3	Cathode G	8	Cathode B
4	Cathode E	9	Cathode DP
5	Common Anode		

ABSOLUTE MAXIMUM RATING AT T_A=25°C

PARAMETER	SYMBOL	MAX		UNIT
		SEG.	DP	
Power Dissipation per Segment	P _{AD}	1.26	0.08	W
Peak Forward Current per Segment	I _{PF}	200	80	mA
Continuous Forward Current per Segment	I _{AF}	60	20	mA
Reverse Voltage per Segment	V _R	35	20	V
Operating Temperature Range, T _{opr}	- 25°C to + 60°C			
Storage Temperature Range, T _{stg}	- 30°C to + 85°C			
Solder Temperature : 1 / 16 inch below seating plane for 3 seconds at 260°C				

ELECTRO - OPTICAL CHARACTERISTICS AT T_A=25°C

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per Chip, I _V (I _F =20mA)	mcd		12	
Peak Emission Wavelength, λ _p (I _F =20mA)	nm		645	
Special Line Half-Width, Δλ (I _F =20mA)	nm		20	
Forward Voltage per Segment, V _F (I _F =20mA)	V	11.2	12.6	14.7
Forward Voltage for DP, V _F (I _F =20mA)	V	6.4	7.2	8.4
Reverse Current per Segment, I _R (V _R =5V)	μA			150
Luminous Intensity Matching Ratio, I _{V-m} (I _F =20mA)				1.5:1