

SPECIFICATION FORM**FEATURES**

- ✧ 2.30 INCHES (56.80MM) DIGIT HEIGHT
- ✧ 47.80MM×69.70MM OUTLINE
- ✧ SINGLE DIGIT
- ✧ MONO COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

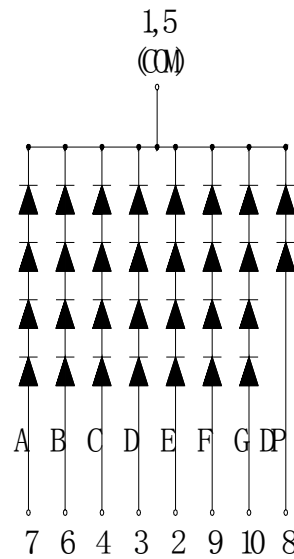
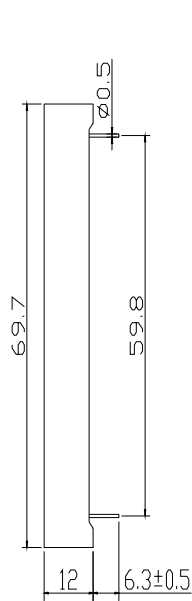
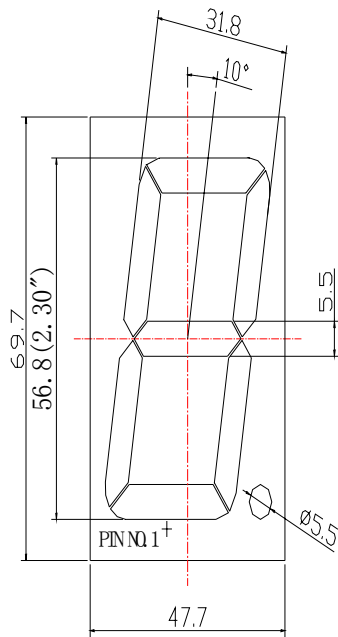
DESCRIPTION

The REC-S23101ASR(C) is a 2.3 inches (56.80mm) digit height, 47.80mm×69.70mm outline, single color, single digit numeric display. This display utilizes super-red LED chips fabricated from GaAlAs epiwafer on GaAs substrate grown by liquid phase epitaxy. These devices have black face and white segments.

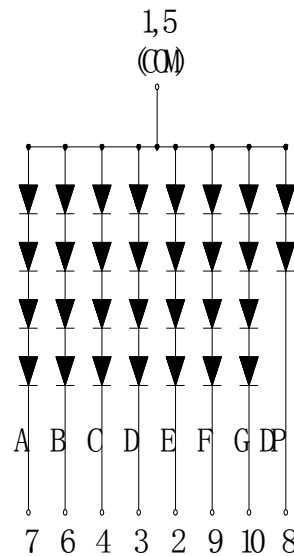
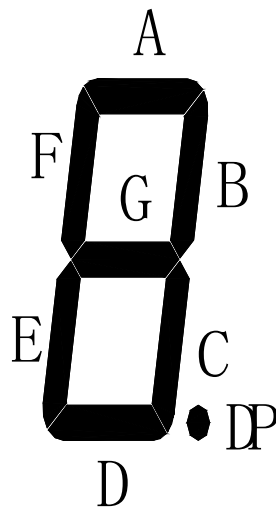
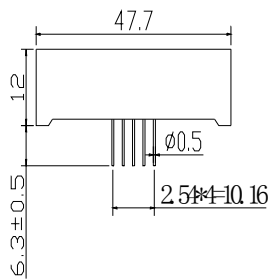
DEVICE

PART NO.	EMITTING COLOR	DESCRIPTION
REC-S23101ASR(C)	Super-red	Black Face & White Segments

PACKAGE DIMENSION



- 1. COMMON CATHODE
- 2. ANODE E
- 3. ANODE D
- 4. ANODE C
- 5. COMMON CATHODE
- 6. ANODE B
- 7. ANODE A
- 8. ANODE DP
- 9. ANODE F
- 10. ANODE G



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- 2. CATHODE E
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ABSOLUTE MAXIMUM RATING AT $T_A=25^{\circ}\text{C}$

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per Seg.	P_{AD}	240	mW
Peak Forward Current per Seg.	I_{PF}	75	mA
Continuous Forward Current per Seg.	I_{AF}	20	mA
Reverse Voltage per Seg.	V_R	5	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 $T_A=25^{\circ}\text{C}$

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per Seg., I_V ($I_F=20\text{mA}$)	mcd	10	13	17
Peak Emission Wavelength, λ_p ($I_F=20\text{mA}$)	nm		640	
Special Line Half-Width, $\Delta\lambda$ ($I_F=20\text{mA}$)	nm		30	
Forward Voltage per Seg., V_F ($I_F=20\text{mA}$)	V	1.6	1.7	1.8
Reverse Current per Seg., I_R , ($V_R=5\text{V}$)	μA			100
Luminous Intensity Matching Ratio, I_{V-m} ($I_F=20\text{mA}$)				2:1