

**SPECIFICATION FORM****FEATURES**

- ✧ 15INCHES DIGIT HEIGHT
- ✧ 30.60MM×44.0MM OUTLINE
- ✧ SINGLE DIGIT
- ✧ SINGLE COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

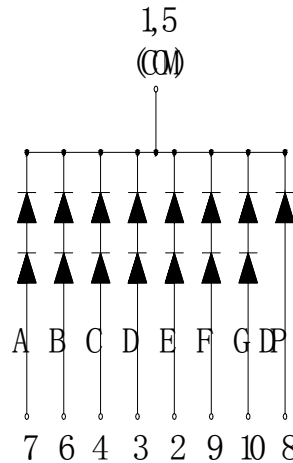
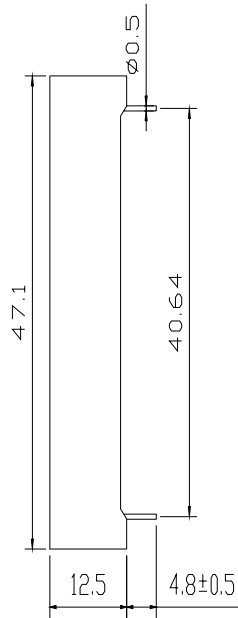
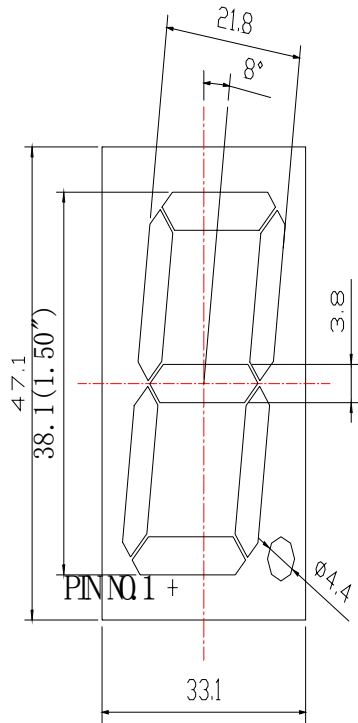
**DESCRIPTION**

The REC-S15102ASR(C) is a 15 inches digit height, 30.60mm×44.0mm outline, single color, single digit with common cathode & common anode 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 surface and white segments.

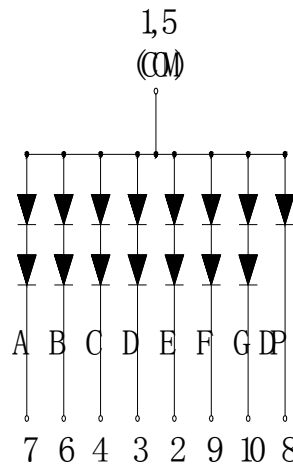
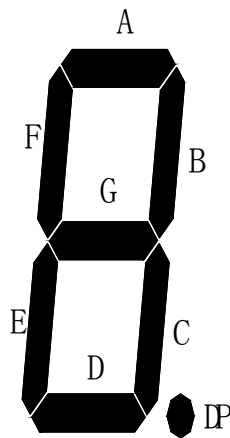
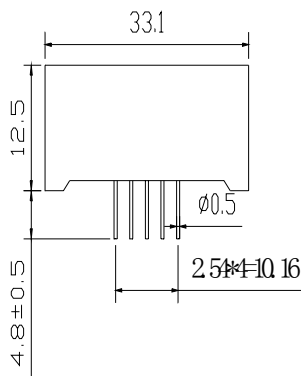
**DEVICE**

<b>PART NO.</b>	<b>EMITTING COLOR</b>	<b>DESCRIPTION</b>
SBS15102ASR(C)	Super-Red	Black Surface & 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



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

**ABSOLUTE MAXIMUM RATING AT  $T_A=25^{\circ}\text{C}$** 

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per Seg.	$P_{AD}$	120	mW
Peak Forward Current per Seg. (1/10 Duty Cycle, 0.1ms Pules Width)	$I_{PF}$	100	mA
Continuous Forward Current per Seg.	$I_{AF}$	20	mA
Reverse Voltage per Seg.	$V_R$	10	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	16
Peak Emission Wavelength, $\lambda_p$ ( $I_F=20\text{mA}$ )	nm		640	
Special Line Half-Width, $\Delta\lambda$ ( $I_F=20\text{mA}$ )	nm		20	
Forward Voltage per Seg., $V_F$ ( $I_F=20\text{mA}$ )	V	1.6	1.7	1.8
Reverse Current per Seg., $I_R$ , ( $V_R=5\text{V}$ )	$\mu\text{A}$			100
Luminous Intensity Matching Ratio, $I_{V-m}$ ( $I_F=20\text{mA}$ )				2 : 1