

SPECIFICATION FORM**FEATURES**

- ✧ 4.0 INCHES (101.60MM) DIGIT HEIGHT
- ✧ 90.0MM×122.0MM OUTLINE
- ✧ SINGLE DIGIT
- ✧ MONO COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

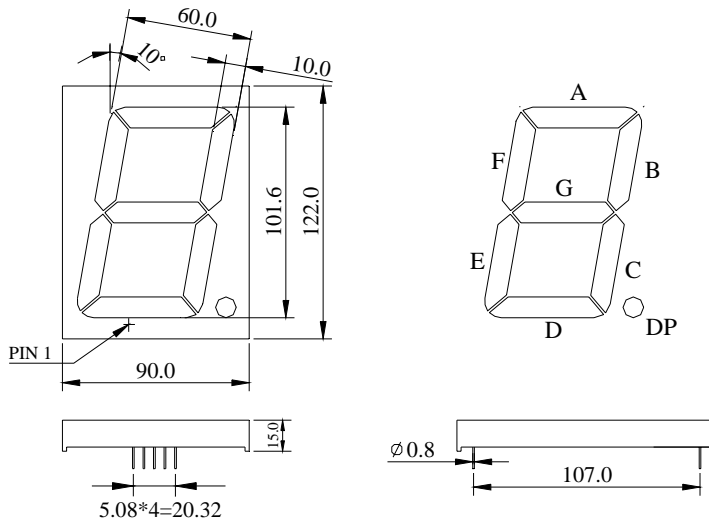
DESCRIPTION

The REC-S40101ASR-2 is a 4.0 inches (101.6mm) digit height, 90.0mm×122.0mm 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

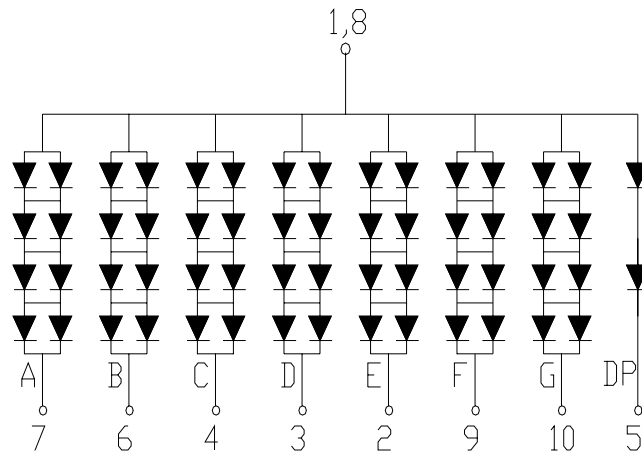
PART NO.	EMITTING COLOR	DESCRIPTION
REC-S40101ASR-2	Super-Red	Black Face & White Segments

PACKAGE DIMENSION



- Notes:**
1. All dimension are in millimeters.
 2. Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Common Anode	6	Cathode B
2	Cathode E	7	Cathode A
3	Cathode D	8	Common Anode
4	Cathode C	9	Cathode F
5	Cathode DP	10	Cathode G

ABSOLUTE MAXIMUM RATING AT T_A=25°C

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per Seg.	P _{AD}	480	mW
Peak Forward Current per Seg. (1/10 Duty Cycle, 0.1ms Pules Width)	I _{PF}	160	mA
Continuous Forward Current per Seg.	I _{AF}	40	mA
Reverse Voltage per Seg.	V _R	20	V
Operating Temperature Range, T _{opr}	- 25°C to + 80°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		13	
Peak Emission Wavelength, λ _P (I _F =20mA)	nm		640	
Special Line Half-Width, Δλ (I _F =20mA)	nm		20	
Forward Voltage per Seg., V _F (I _F =20mA)	V	1.7	1.8	1.9
Reverse Current per Seg., I _R , (V _R =5V)	μA			100
Luminous Intensity Matching Ratio, I _{V-m} (I _F =20mA)				2:1