

# RAYCONN ELECTRONICS CO., LTD.

## SPECIFICATION FORM

### FEATURES

- ◇ 22.50MM×14.00MM OUTLINE
- ◇ 0.36 INCHES (9.20MM) DIGIT HEIGHT
- ◇ THREE DIGIT
- ◇ SINGLE COLOR
- ◇ HIGH BRIGHTNESS
- ◇ EASY ASSEMBLY
- ◇ SOLID STATE RELIABILITY

### DESCRIPTION

The REC-S3361ASR is a 0.36 inches (9.20mm) digit height, 22.50mm×14.00mm outline, single color, three digit, common anode numeric display. This display utilizes red LED chips 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-S3361ASR	Super-Red	Black face, White Segments.

Part No. : REC-S3361ASR

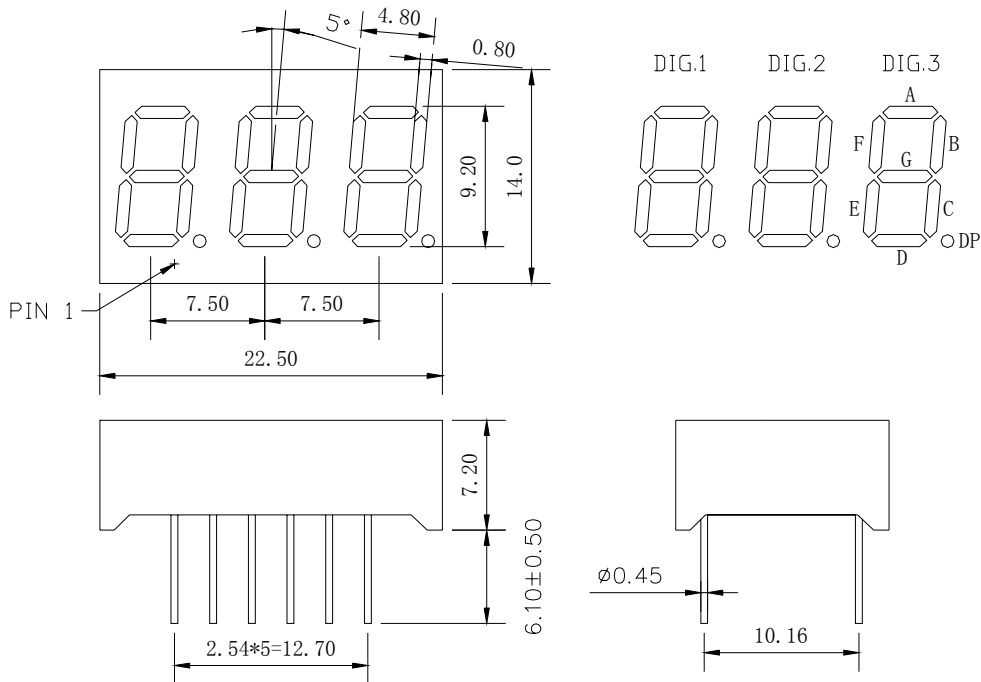
Reference No. : SP200102

Date : 04-11-30

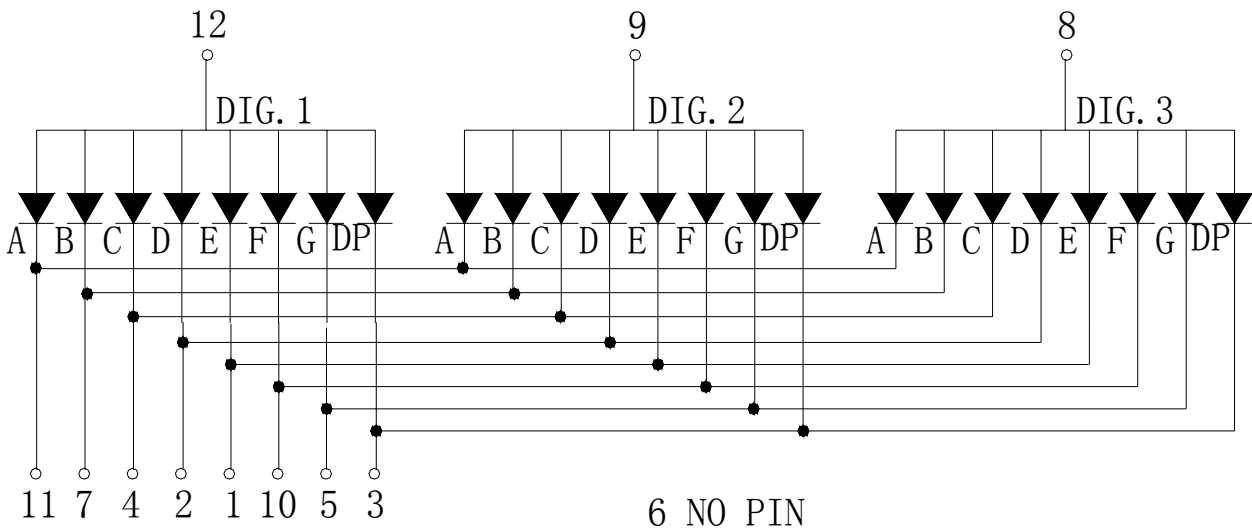
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## PACKAGE DIMENSION



## INTERNAL CIRCUIT DIAGRAM



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## PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	7	Cathode B
2	Cathode D	8	Anode
3	Cathode DP	9	Anode
4	Cathode C	10	Cathode F
5	Cathode G	11	Cathode A
6	No Pin	12	Anode

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

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per dot	$P_{AD}$	60	mW
Peak Forward Current per dot (1/10 duty cycle, 0.1ms pulse width)	$I_{PF}$	80	mA
Continuous Forward Current per dot	$I_{AF}$	20	mA
Reverse Voltage per dot	$V_R$	5	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 $T_A=25^\circ\text{C}$

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per chip, $I_V$ ( $I_F=20\text{mA}$ )	mcd		10.5	
Peak Emission Wavelength, $\lambda_p$ ( $I_F=20\text{mA}$ )	nm		644	
Special Line Half-Width, $\Delta\lambda$ ( $I_F=20\text{mA}$ )	nm		20	
Forward Voltage per chip, $V_F$ ( $I_F=20\text{mA}$ )	V	1.6	1.8	2.1
Reverse Current per chip, $I_R$ , ( $V_R=5\text{V}$ )	$\mu\text{A}$			100
Luminous Intensity Matching Ratio, $I_{V-m}$ ( $I_F=20\text{mA}$ )				2 : 1