

RAYCONN ELECTRONICS CO., LTD.

SPECIFICATION FORM

FEATURES

- ✧ 0.36 INCHES (9.2MM) DIGIT HEIGHT
- ✧ 30.0MM×14.0MM OUTLINE
- ✧ FOUR DIGIT
- ✧ MONO COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

DESCRIPTION

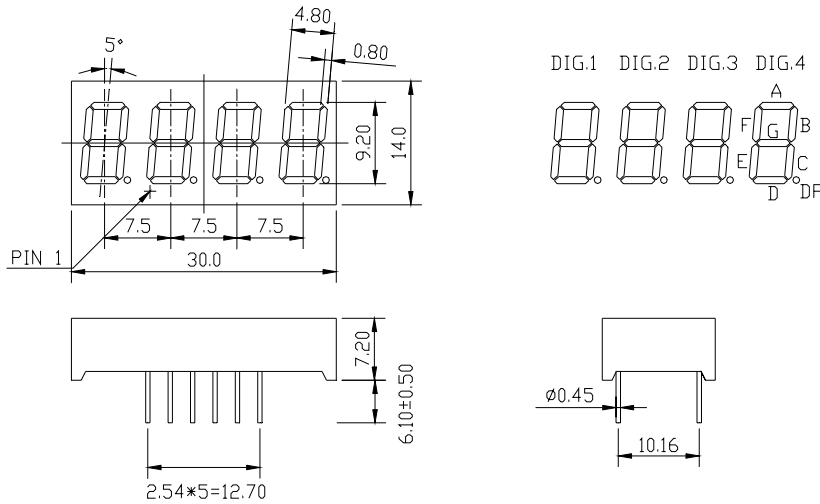
The REC-S3461ASR is a 0.36 inches (9.2mm) digit height, 30.0mm×14.0mm outline, single color, four digit, common anode numeric display. This display utilizes super-red LED chips fabricated from GaAlAs epiwafer on GaAs substrate grown by liquid phase epitaxy. These devices have black face and white segments.

DEVICE

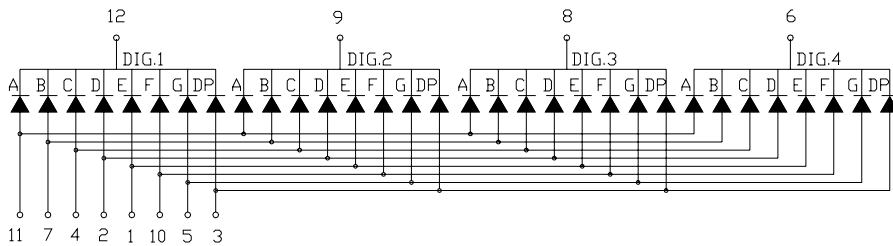
PART NO.	EMITTING COLOR	DESCRIPTION
REC-S3461ASR	Super-Red	Black Face & White Segments

RAYCONN ELECTRONICS CO., LTD.

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

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

RAYCONN ELECTRONICS CO., LTD.

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

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per Seg.	P_{AD}	60	mW
Peak Forward Current per Seg.	I_{PF}	80	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	7	9	12
Peak Emission Wavelength, λ_p ($I_F=20\text{mA}$)	nm		660	
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	1.75	2.0
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