

RAYCONN ELECTRONICS CO., LTD.

SPECIFICATION FORM

FEATURES

- ✧ 0.56 INCHES (14.20MM) DIGIT HEIGHT
- ✧ 50.30MM×19.0MM OUTLINE
- ✧ FOUR DIGIT
- ✧ SINGLE COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

DESCRIPTION

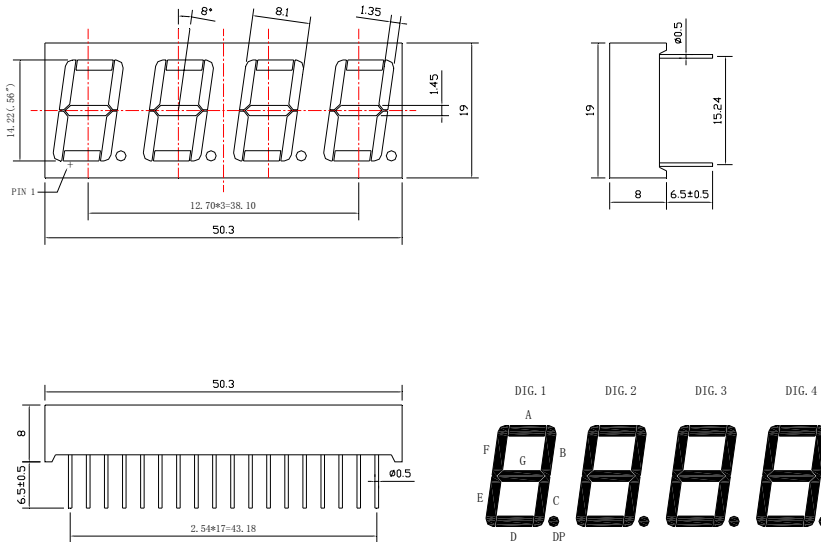
The REC-S5461ASR-2 is a 0.56 inches(14.20mm) digit height, 50.30mm×19.0mm outline, single color, four digit and common anode numeric display. This display utilizes super-red LED chips fabricated from GaAlAs epiwafer on GaAs substrate grown by liquid phase epitaxy. These devices have black face and white segments.

DEVICE

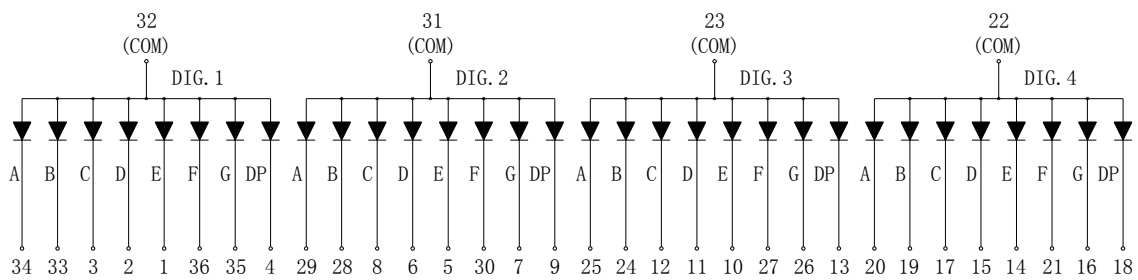
PART NO.	EMITTING COLOR	DESCRIPTION
REC-S5461ASR-2	Super-Red	Black Face & White Segments

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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



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PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1、 5、 10、 14	Cathode E	33、 28、 24、 19	Cathode B
2、 6、 11、 15	Cathode D	36、 30、 27、 21	Cathode F
3、 8、 12、 17	Cathode C	32	Common Anode Dig.1
4、 9、 13、 18	Cathode DP	31	Common Anode Dig.2
35、 7、 26、 16	Cathode G	23	Common Anode Dig.3
34、 29、 25、 20	Cathode A	22	Common Anode Dig.4

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	10	14
Peak Emission Wavelength, λ_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	1.8	2.1
Reverse Current per chipSeg., I_R , ($V_R=5\text{V}$)	μA			100