

RAYCONN ELECTRONICS CO., LTD.

SPECIFICATION FORM

FEATURES

- ✧ 0.56 INCHES (14.20MM) DIGIT HEIGHT
- ✧ 37.60MM×19.00MM OUTLINE
- ✧ THREE DIGIT
- ✧ MONO COLOR
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

DESCRIPTION

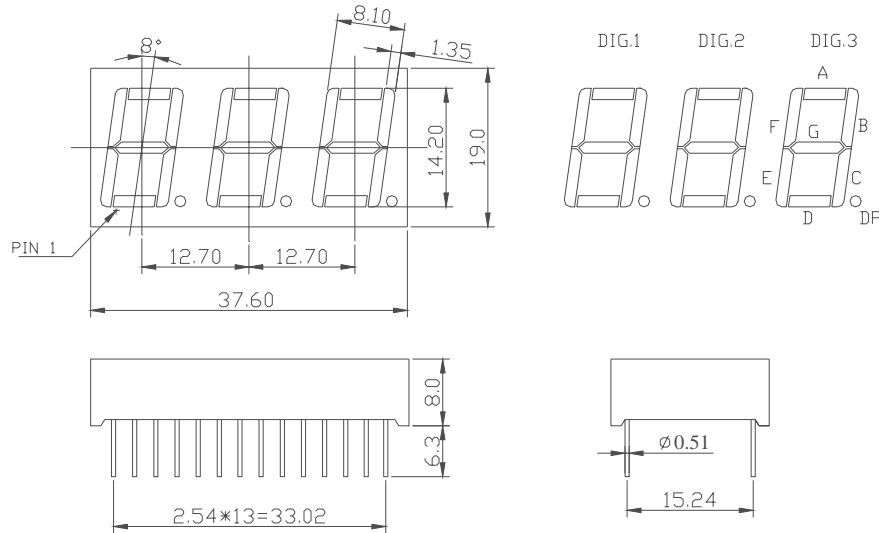
The REC-S5361CSR-3 is a 0.56 inches (14.20mm) digit height, 37.60mm×19.0mm outline, single color, three digit numeric display. This display utilizes green LED chips fabricated from GaP epiwafer on GaP substrate grown by liquid phase epitaxy..These devices have black face and white segments.

DEVICE

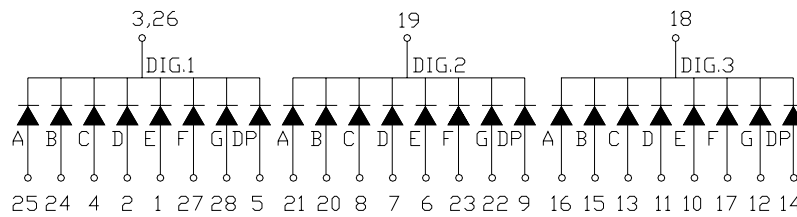
PART NO.	EMITTING COLOR	DESCRIPTION
REC-S5361CG-3	Yellow-Green	Common Cathode

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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



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PIN CONNECTION

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

ABSOLUTE MAXIMUM RATING AT T_A=25° C

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per Seg.	P _{AD}	75	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° C

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per Seg., I _V (I _F =20mA)	mcd	10	12	15
Peak Emission Wavelength, λ _p (I _F =20mA)	nm		570	
Special Line Half-Width, Δλ (I _F =20mA)	nm		20	
Forward Voltage per Seg., V _F (I _F =20mA)	V	2.0	2.1	2.2
Reverse Current per chipSeg., I _R , (V _R =5V)	μA			100
Luminous Intensity Matching Ratio, I _{v-m} (I _F =20mA)				2:1