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

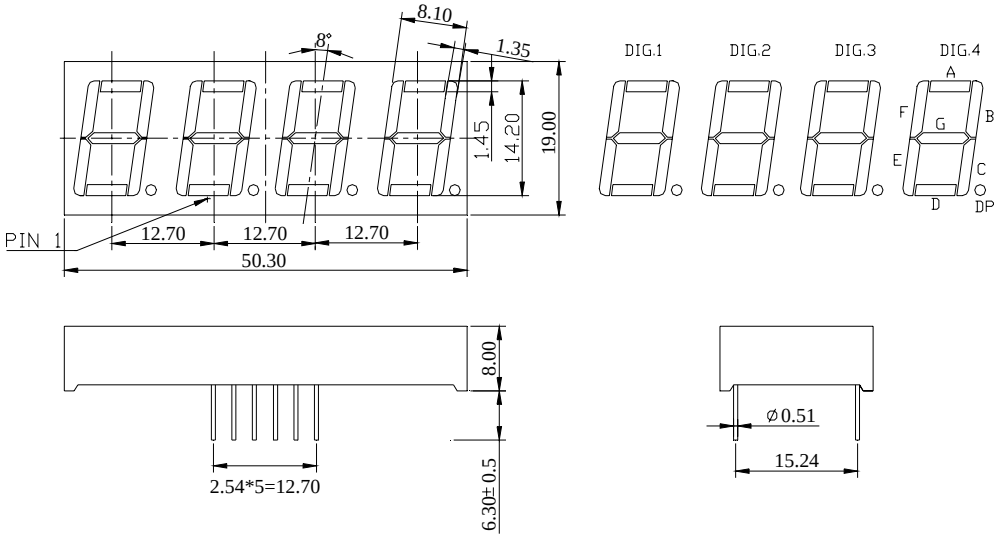
DESCRIPTION

The REC-S5461CSR is a 0.56 inches(14.20mm) digit height, 50.30mm×19.0mm outline, single color, four digit and common cathode 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

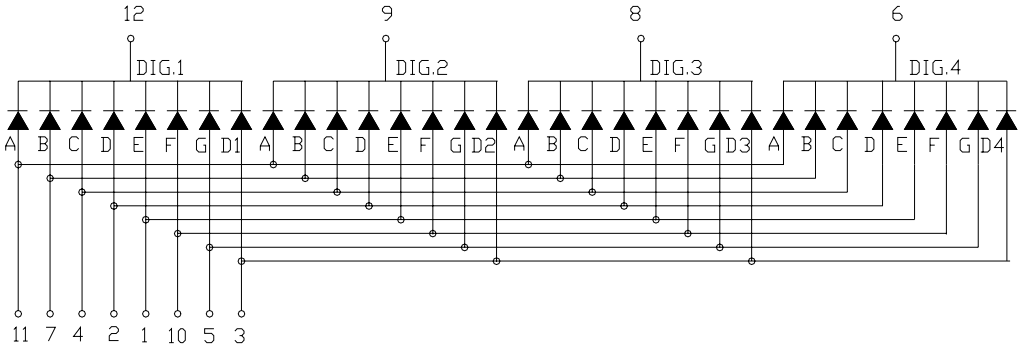
PART NO.	EMITTING COLOR	DESCRIPTION
REC-S5461CSR	Super-Red	Black Face & White Segments

PACKAGE DIMENSION



Note: Tolerance is ± 0.25mm unless otherwise noted.

INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

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

ABSOLUTE MAXIMUM RATING AT T_A=25°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°C

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per Seg., I_V (I_F=20mA)	mcd	7	10	14
Peak Emission Wavelength, λ_P (I_F=20mA)	nm		640	
Special Line Half-Width, $\Delta\lambda$ (I_F=20mA)	nm		20	
Forward Voltage per Seg., V_F (I_F=20mA)	V	1.6	1.8	2.1
Reverse Current per chipSeg., I_R, (V_R=5V)	μA			100
Luminous Intensity Matching Ratio, $I_{V\text{-}m}$ (I_F=20mA)				2:1