RYACONN ELECTRONICS CO., LTD.

SPECIFICATION FORM

FEATURES

- ✧ 0.56 INCHES (14.20MM) DIGIT HEIGHT
- ✧ 12.60MM×19.0MM OUTLINE
- ✧ SINGLE DIGIT
- ✧ SINGLE COLOT
- ✧ EASY ASSEMBLY
- ✧ HIGH BRIGHTNESS
- ✧ SOLID STATE RELIABILITY

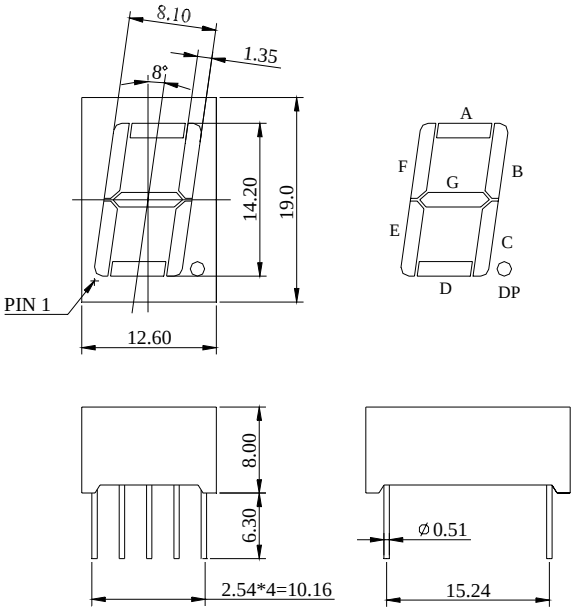
DESCRIPTION

The REC-S5161ASR is a 0.56 inches (14.20mm) digit height, 12.6mm×19.0mm outline, single color, single digit numeric display. The SBS5161ASR utilizes high-red LED chips fabricated from GaAlAs epiwafer on GaAs substrate grown by liquid phase epitaxy. These devices have black face and white segments.

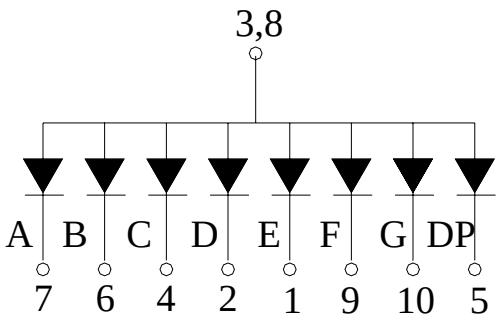
DEVICE

PART NO.	EMITTING COLOR	DESCRIPTION
REC-S5161ASR	Red	Common Anode

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



PIN CONNECTION

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	6	Cathode B
2	Cathode D	7	Cathode A
3	Common Anode	8	Common Anode

4	Cathode C	9	Cathode F
5	Cathode DP	10	Cathode G

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		13	
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	2.2
Reverse Current per chipSeg., I_R, (V_R=5V)	μA			100
Luminous Intensity Matching Ratio, I_{V-m} (I_F=20mA)				1.5:1