

**SPECIFICATION FORM****FEATURES**

- ◇ 28.80MM×40.80MM OUTLINE
- ◇ 1.2 INCHES (30.60MM) DIGIT HEIGHT
- ◇ SINGLE DIGIT
- ◇ SINGLE COLOR
- ◇ HIGH BRIGHTNESS
- ◇ EASY ASSEMBLY
- ◇ SOLID STATE RELIABILITY

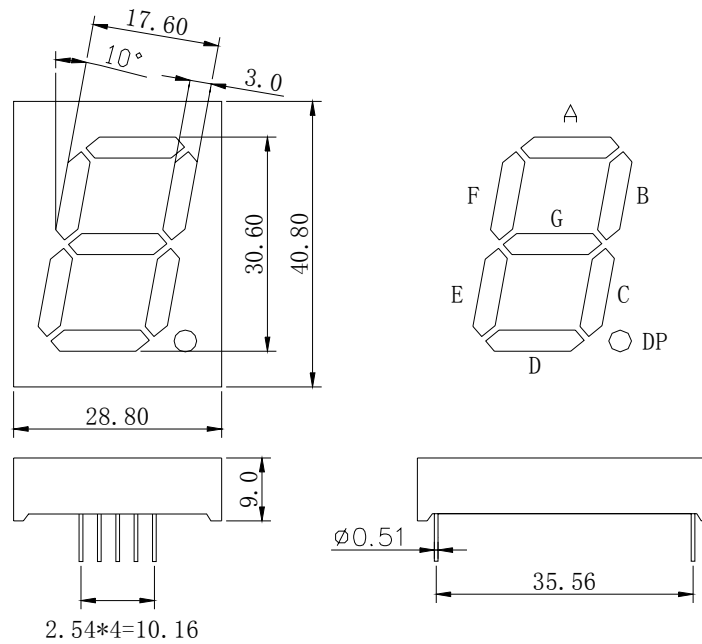
**DESCRIPTION**

The REC-S12101CG is a 1.2 inches (30.60mm) digit height, 28.80mm×40.80mm outline, single color, single digit, common cathode numeric display. This display utilizes yellow-green LED chips fabricated from GaP epiwafer on GaP substrate grown by liquid phase epitaxy. The devices have black face and white segments.

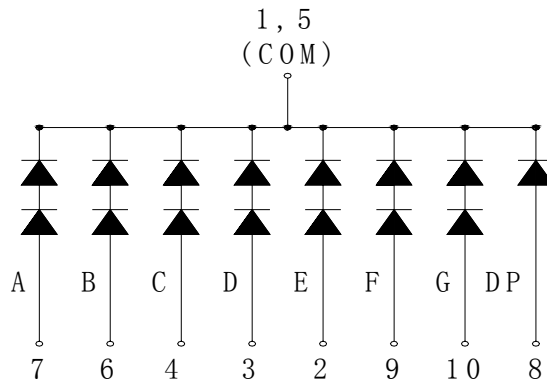
**DEVICE**

<b>PART NO.</b>	<b>EMITTING COLOR</b>	<b>DESCRIPTION</b>
REC-S12101CG	Yellow-Green	Black face, White Segments.

**PACKAGE DIMENSION**



**INTERNAL CIRCUIT DIAGRAM**



**PIN CONNECTION**

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

**ABSOLUTE MAXIMUM RATING AT T<sub>A</sub>=25° C**

PARAMETER	SYMBOL	MAXIMUM	UNIT
Power Dissipation per dot	P <sub>AD</sub>	130	mW
Peak Forward Current per dot (1/10 duty cycle, 0.1ms pulse width)	I <sub>PF</sub>	80	mA
Continuous Forward Current per dot	I <sub>AF</sub>	20	mA
Reverse Voltage per dot	V <sub>R</sub>	10	V
Operating Temperature Range, T <sub>opr</sub>	- 25° C to + 80° C		
Storage Temperature Range, T <sub>stg</sub>	- 30° C to + 85° C		
Solder Temperature : 1 / 16 inch below seating plane for 3 seconds at 260° C			

**ELECTRO - OPTICAL CHARACTERISTICS AT T<sub>A</sub>=25° C**

PARAMETER	UNIT	MIN	TYPE	MAX
Luminous Intensity per chip, I <sub>V</sub> (I <sub>F</sub> =20mA)	mcd	10	12	13
Peak Emission Wavelength, λ <sub>p</sub> (I <sub>F</sub> =20mA)	nm		570	
Special Line Half-Width, Δλ (I <sub>F</sub> =20mA)	nm		20	
Forward Voltage per chip, V <sub>F</sub> (I <sub>F</sub> =20mA)	V	2.2	2.3	2.4
Reverse Current per chip, I <sub>R</sub> , (V <sub>R</sub> =5V)	μA			100
Luminous Intensity Matching Ratio, I <sub>V-m</sub> (I <sub>F</sub> =20mA)				2 : 1