

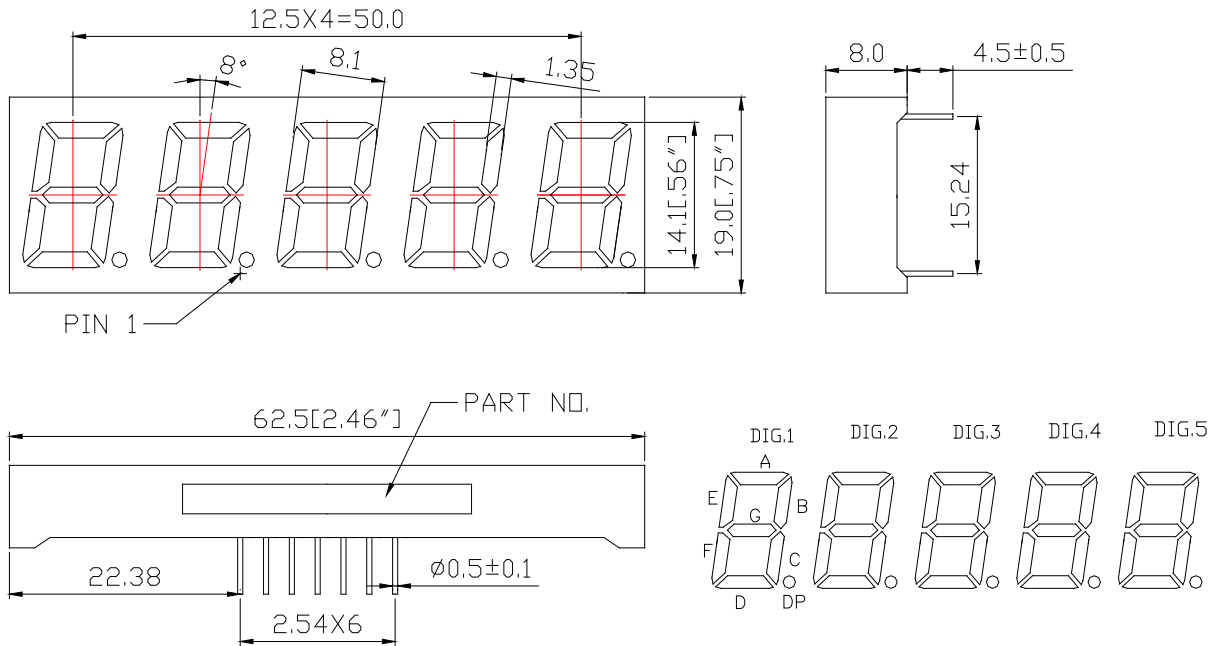
# **WCN5-0056SR-A11**

## **SPECIFICATION**

<b>WCN</b>			<b>CUSTOMER</b>
<b>NOTE:</b>  			

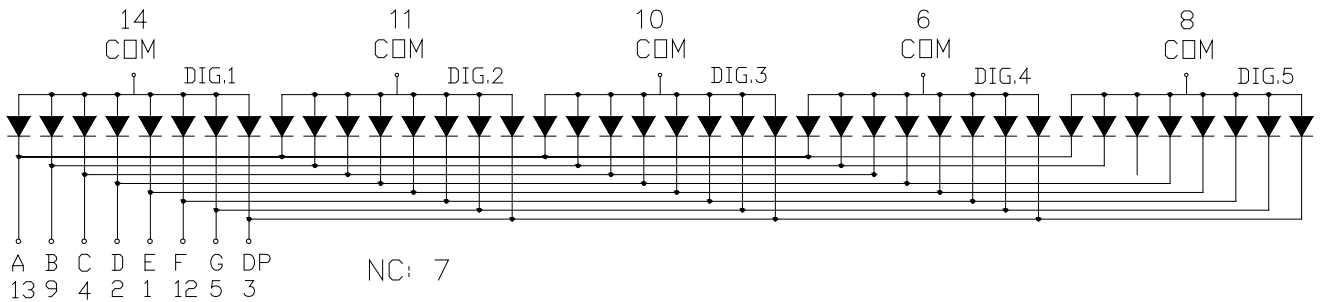
**REVISION: 01**

■ **Outer Dimension:**



**Notes: Unless otherwise stated, The tolerance is  $\pm 0.25$ mm.**

■ **Circuit Diagram:**



■ **Pin Connection:**

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	Cathode E	8	Common DIG. 5
2	Cathode D	9	Cathode B
3	Cathode DP	10	Common DIG.3
4	Cathode C	11	Common DIG.2
5	Cathode G	12	Cathode F
6	Common DIG.4	13	Cathode A
7	NC	14	Common DIG.1

■ **Features:**

- High Reliability
- Color : Red
- Low Power Requirement
- Easy Assembly

■ **Description:**

- Five Digit LED Display
- Digit Height:14.1mm(0.56" )
- Black Face and Encapsulation With Milky Epoxy

■ **Absolute Maximum Rating (Ta=25°C):**

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment	P <sub>d</sub>	—	Red	50	mW
Forward Current Segment	I <sub>F</sub>	—	Red	25	mA
Derating Of If Per Segment	ΔI <sub>F</sub>	Ta ≥ 25°C	Red	0.30	mA/°C
Peak Forward Current Per Segment	I <sub>FP</sub>	1/10 Duty 10KHz	Red	100	mA
Reverse Voltage Per Segment	V <sub>R</sub>	—	Red	5	V
Operating Temperature Range	Topr	—	—	-35~+85	°C
Storage Temperature Range	Tstg	—	—	-35~+85	°C

■ **Electrical/Optical Characteristics Rating(Ta=25°C):**

Item	Symbol	Test conditions	Location	Color	Rating			Unit
					Min.	Typ.	Max	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	Per Segment	Red	—	1.80	2.00	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =20mA	Per Segment	Red	3201	6000	—	μcd
Wave Length	λ <sub>P</sub>	I <sub>F</sub> =20mA	Per Segment	Red	—	660	—	nm
	λ <sub>D</sub>				—	643	—	
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	Per Segment	Red	—	20	—	nm
Luminous Intensity Matching Ratio (Segment To Segment)	I <sub>v-m</sub>	I <sub>F</sub> =10mA					2:1	

■ **Luminous Intensity Sorting:**

Rank	Symbol	Condition	Min	Max	Unit
J	J	I <sub>F</sub> =10mA	3201	5050	μcd
K	K	I <sub>F</sub> =10mA	5051	8000	μcd
L	L	I <sub>F</sub> =10mA	8001	12650	μcd

■ **Soldering Conditions: Soldering Temp. ≤ +260°C, Soldering Time. ≤ 3sec.**

(at 2mm Distance from The Case of Reflector Edge)