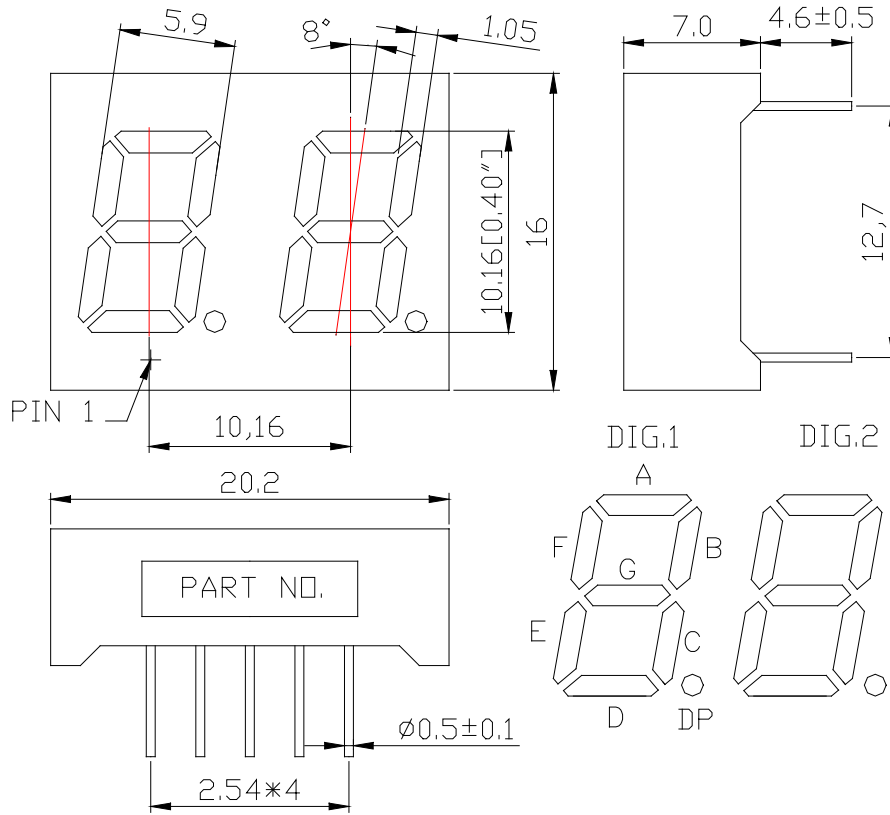


**WCN2-0040GU-A11****SPECIFICATION**

<b>WCN</b>			<b>CUSTOMER Confirmed</b>
<b>Prepared by</b>	<b>Checked by</b>	<b>Approved by</b>	

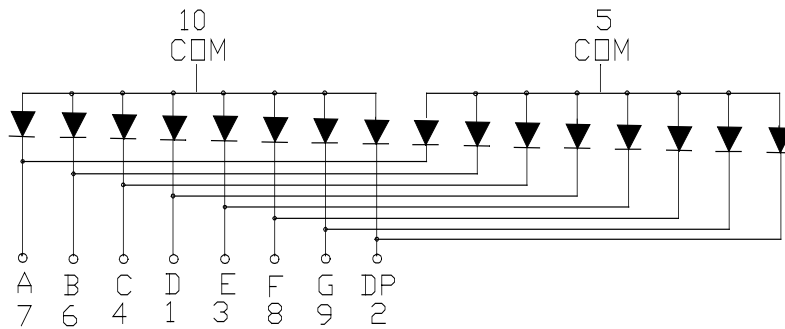
**REVISION: 01**

■ **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 D	6	Cathode B
2	Cathode DP	7	Cathode A
3	Cathode E	8	Cathode F
4	Cathode C	9	Cathode G
5	Common Anode Dig.2	10	Common Anode Dig.1

# World Components Network Service Ltd

■ **Features:**

- High Reliability
- Color: Yellow Green
- Low Power Requirement
- Easy Assembly

■ **Description:**

- Dual Digit LED Display
- Digit Height: 10.16mm(0.40")
- Black Face and Milky Segment

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

Parameter	Symbol	Condition	Color	Rating	Unit
Power Dissipation Per Segment	$P_d$	—	Yellow Green	65	mW
Forward Current Per Segment	$I_F$	—	Yellow Green	25	mA
Derating Of $I_F$ Per Segment	$\Delta I_F$	$T_a \geq 25^\circ C$	Yellow Green	0.33	mA/°C
Peak Forward Current Per Segment	$I_{FP}$	1/10 Duty 10KHz	Yellow Green	100	mA
Reverse Voltage Per Segment	$V_R$	—	Yellow Green	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	Rating			Unit
				Min.	Typ.	Max.	
Forward Voltage	$V_F$	$I_F=20mA$	Per Segment	—	2.25	2.660	V
Reverse Current	$I_R$	$V_R=5V$	Per Segment	—	—	100	$\mu A$
Luminous Intensity	$I_V$	$I_F=10mA$	Per Segment	2001	4500	—	$\mu cd$
Wave Length	$\lambda_P$	$I_F=20mA$	Per Segment	—	568	—	nm
	$\lambda_D$				572		
Spectral Line Half Width	$\Delta \lambda$	$I_F=20mA$	Per Segment	—	30	—	nm
Luminous Intensity Matching Ratio (Segment to segment)	$I_{v-m}$	$I_F=10mA$	—	—	—	2:1	

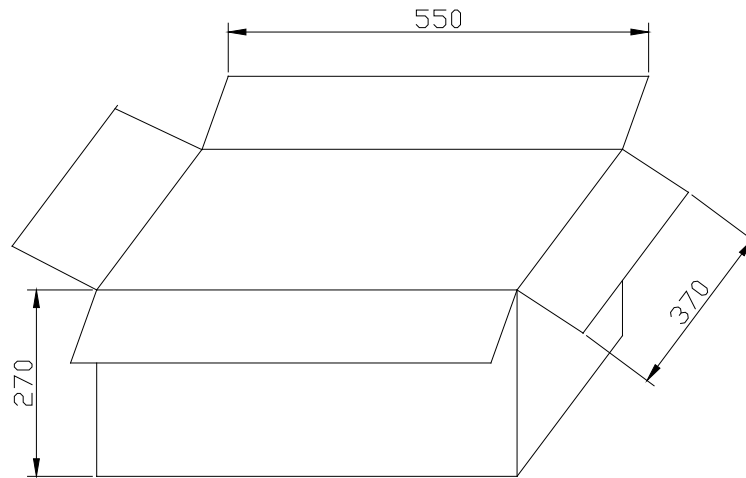
■ **Luminous Intensity Sorting:( Luminous Intensity Tolerance is +/-10%)**

Rank	Symbol	Condition	Min	Max	Unit
I	I	$I_F=10mA$	2001	3200	$\mu cd$
J	J	$I_F=10mA$	3201	5050	$\mu cd$
K	K	$I_F=10mA$	5051	8000	$\mu cd$

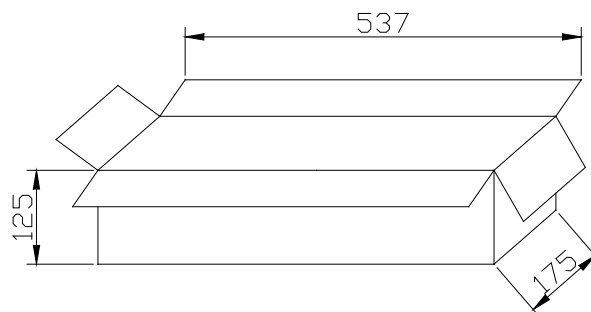
■ **Hue Grade:  $I_F=10mA$  (Hue: +/-1nm)**

Rank	Symbol	Hue Range	Units
3	3	569.1~572.0	nm
4	4	572.1~575.0	nm

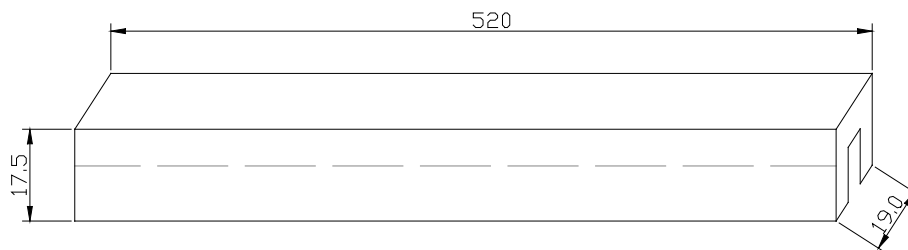
■ **Soldering Conditions: Soldering Temp.  $\leq +260^\circ C$ , Soldering Time.  $\leq 3sec$ .  
(at 2mm Distance from The Case of Reflector Edge)**

**Outer Carton Dimension:**

- Note:**
1. An Outer carton contained four Inner cartons and 6300 PCS products.
  2. Unless otherwise stated, the tolerance is +5mm / -0mm.
  3. The carton material is A=B Brown Paper.

**Inner Carton Dimension:**

- Note:**
1. An Inner carton contained 63PCS IC Tube and 1575 PCS products.
  2. Unless otherwise stated, The tolerance is  $\pm 2$  mm.
  3. The carton outside and inside paper material are A rank Paper.

**IC Tube Dimension:**

- Note:**
1. One IC Tube contained 25PCS products.
  2. Unless otherwise stated, The tolerance is  $\pm 0.5$  mm.
  3. The IC Tube material is Water clear PVC.