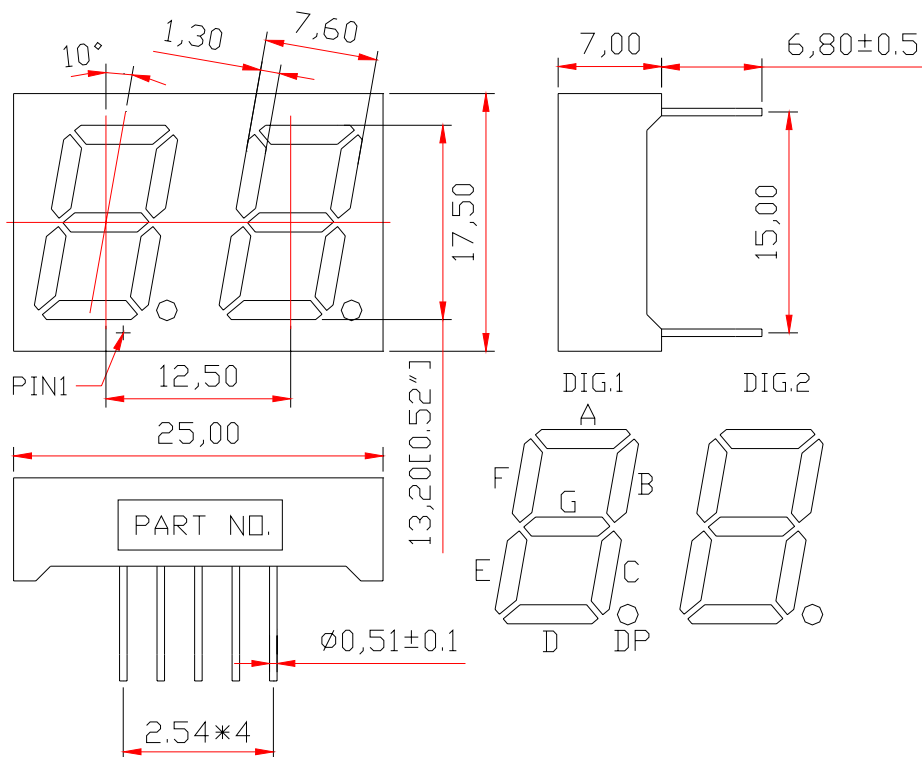


WCN2-0052SR-C21**SPECIFICATION**

WCN			CUSTOMER Confirmed
Prepared by	Checked by	Approved by	
Liu 2014-6-18	Athena		

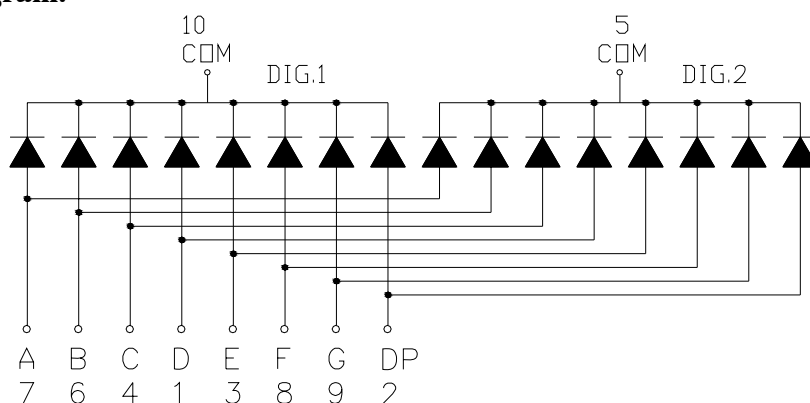
**REVISION: A0**

Outer Dimension:



Note: Unless otherwise stated , The tolerance is ± 0.25 mm.

Circuit Diagram:



Pin Connection:

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

World Components Network Service Ltd

■ Features:

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

■ Description:

- Dual Digit LED Display
- Digit Height:13.20 mm (0.52")
- Black Face and Milky Segment

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Unit
Power Dissipation Per Segment	P_d	—	Red	65	mW
Forward Current Per Segment	I_F	—	Red	25	mA
Derating Of If Per Segment	ΔI_F	$T_a \geq 25^\circ\text{C}$	Red	0.30	mA/°C
Peak Forward Current Per Segment	I_{FP}	1/10 Duty 10KHz	Red	100	mA
Reverse Voltage Per Segment	V_R	—	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	Rating			Unit
				Min.	Typ.	Max.	
Forward Voltage	V_F	$I_F=20\text{mA}$	Per Segment	—	2.00	2.70	V
Reverse Current	I_R	$V_R=5\text{V}$	Per Segment	—	—	100	μA
Luminous Intensity	I_v	$I_F=10\text{mA}$	Per Segment	5051	10000	—	μcd
Wave Length	λ_P	$I_F=20\text{mA}$	Per Segment	—	638	—	nm
	λ_D				633		
Spectral Line Half Width	$\Delta\lambda$	$I_F=20\text{mA}$	Per Segment	—	20	—	nm
Luminous Intensity Matching Ratio(Segment to Segment)	I_{v-m}	$I_F=10\text{mA}$	—	—	—	2:1	

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

Rank	Symbol	Condition	Min	Max	Unit
K	K	$I_F=10\text{mA}$	5051	8000	μcd
L	L	$I_F=10\text{mA}$	8001	12650	μcd
M	M	$I_F=10\text{mA}$	12651	20000	μcd

■ Soldering Conditions: Soldering Temp. $\leq +260^\circ\text{C}$, Soldering Time. $\leq 3\text{sec}$.

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