



World Components Network Service Ltd

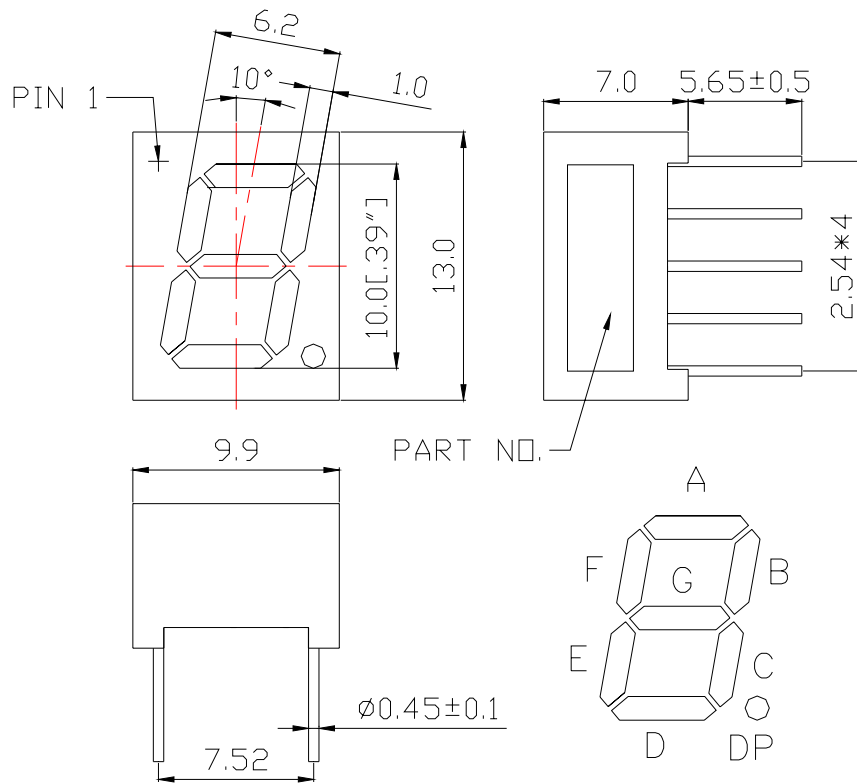
WCN1-1039SR-C21

SPECIFICATION

WCN			CUSTOMER Confirmed
Prepared by	Checked by	Approved by	

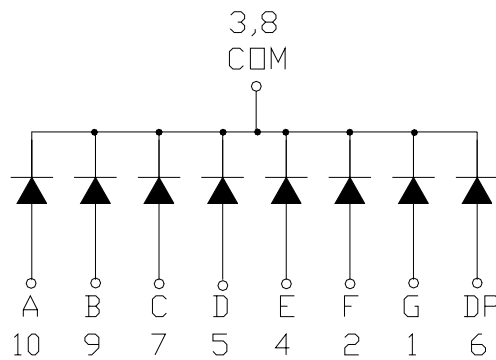
REVISION: 01

■ **Outer Dimension:**



Notes: Unless otherwise stated, The tolerance is $\pm 0.25\text{mm}$.

■ **Circuit Diagram:**



■ **Pin Connection:**

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

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■ **Features:**

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

■ **Description:**

- Single Digit LED Display
- Digit Height:10.0mm(0.39")
- Gray Face and Milky Segment

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

Parameter	Symbol	Condition	Color	Rating	Units
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	Ta ≥ 25°C	Red	0.30	mA/°C
Peak Forward Current Per Segment	I _{FP}	1/10 Duty 1KHz	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			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	—	2.10	2.60	V
Reverse Current	I _R	V _R =5V	Per Segment	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	3201	6000	—	μcd
Wave Length	λ _P	I _F =20mA	Per Segment	—	660	—	nm
	λ _D				643		
Spectral Line Half Width	Δλ	I _F =20mA	Per Segment	—	20	—	nm
Luminous Intensity Matching Ratio	I _{v-m}	I _F =10mA				2:1	

■ **Luminous Intensity Sorting: (Luminous intensity tolerance: +/-10%)**

Rank	Symbol	Condition	Min	Max	Unit
J	J	I _F =10mA	3201	5050	μcd
K	K	I _F =10mA	5051	8000	μcd
L	L	I _F =10mA	8001	12560	μcd

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

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