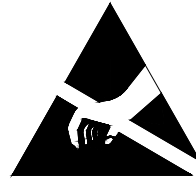
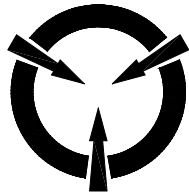


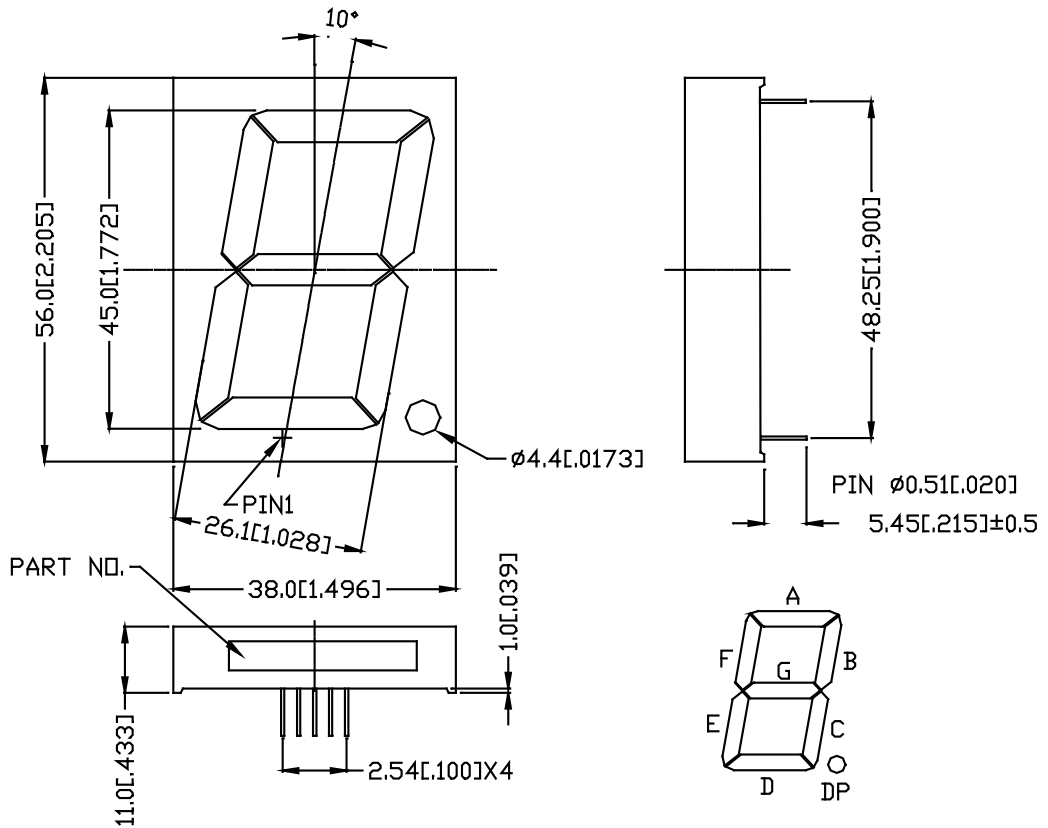
**WCN1-00A8SD-A21S**

**SPECIFICATION**



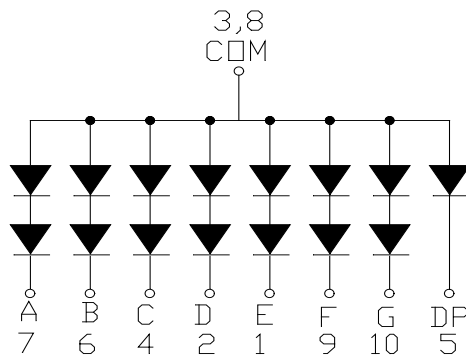
WCN			CUSTOMER
<b>NOTE:</b>			

**Outer Dimension:**



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

■ **Circuit Diagram:**



■ **Pin Connection:**

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

# World Components Network Service Ltd

## ■ Features:

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

## ■ Description:

- Single Digit LED Display
- Digit Height: 45.0mm(1.8")
- Black Face And Encapsulation With Milky Segment

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

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment/DP	P <sub>d</sub>	—	Red	115/57.5	mW
Forward Current Segment	I <sub>F</sub>	—	Red	25	mA
Derating Of I <sub>F</sub> Per Segment	ΔI <sub>F</sub>	T <sub>a</sub> ≥ 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/DP	V <sub>R</sub>	—	Red	10/5V	V
Operating Temperature Range	T <sub>opr</sub>	—	Red	-35~+85	°C
Storage Temperature Range	T <sub>stg</sub>	—	Red	-35~+85	°C

## ■ Electrical/Optical Characteristics Rating(Ta=25°C): (Luminous intensity tolerance : +/-10%)

Item	Symbol	Test conditions	Location	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	Per Segment/DP	Red	—	3.8/1.90	4.2/2.1	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =10V/5V	Per Segment/DP	Red	—	—	100	μA
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =10mA	Per Segment	Red	13.0	25.0	—	mcd
Wave Length	λ <sub>P</sub>	I <sub>F</sub> =20mA	Per Segment	Red	—	660	—	nm
	λ <sub>D</sub>					640		
Spectral Line Half Width	Δλ	I <sub>F</sub> =20mA	Per Segment	Red	—	20	—	nm
Electrostatic Discharge Threshold (HBM)	ESD	—	—	—	—	1000	—	V
Luminous Intensity Matching Ratio (Segment To Segment)	I <sub>v-m</sub>	I <sub>F</sub> =10mA					2:1	

■ Notes: Luminous intensity tolerance : +/-10%

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

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