



World Components Network Service Ltd

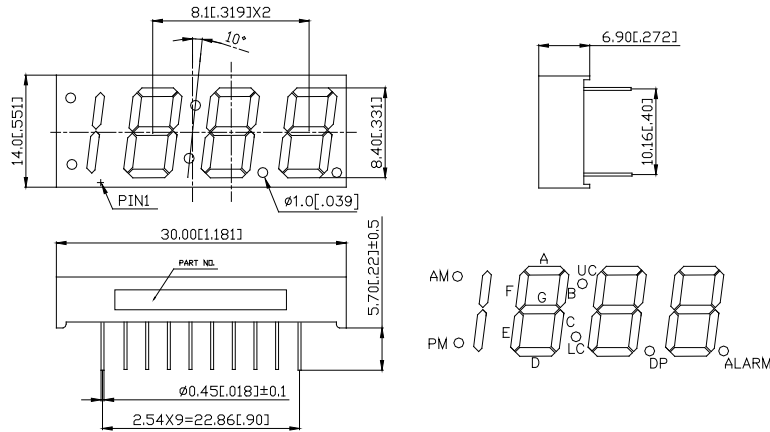
WCNCK-0033SR-C61

SPECIFICATION

WCN			CUSTOMER
NOTE:			

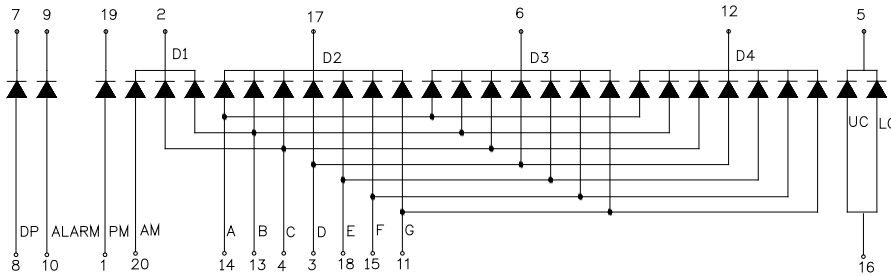
REVISION: 01

■ **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 PM	11	Cathode G
2	Common Cathode Dig.1,AM	12	Common Cathode Dig.4
3	Anode D	13	Anode B
4	Anode C	14	Anode A
5	Cathode LC,UC	15	Anode F
6	Common Cathode Dig.3	16	Anode UC,LC
7	Cathode DP	17	Common Cathode Dig.2
8	Anode DP	18	Anode AM
9	Cathode ALARM	19	Cathode PM
10	Anode ALARM	20	Anode AM

■ Features:

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

■ Description:

- Four Digit Clock Display
- Digit Height: 8.4(0.33")
- Black Face And Encapsulation With Milky Epoxy

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment	P _d	—	Red	50	mW
Forward Current Segment	I _F	—	Red	25	mA
Derating Of If Per Segment	△I _P	Ta ≥ 25°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	Color	Rating			Units
					Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	Red	—	1.80	2.00	V
Reverse Current	I _R	V _R =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	2000	4000	—	μcd
Peak Emission Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	660	—	nm
	λ _D					643		
Spectral Line Half Width	△λ	I _F =20mA	Per Segment	Red	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =10mA					2:1	

Note: Luminous intensity tolerance: +/-10%

■ Soldering Conditions: Soldering Temp. ≤ +260°C

Soldering Time. ≤ 3sec.

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