



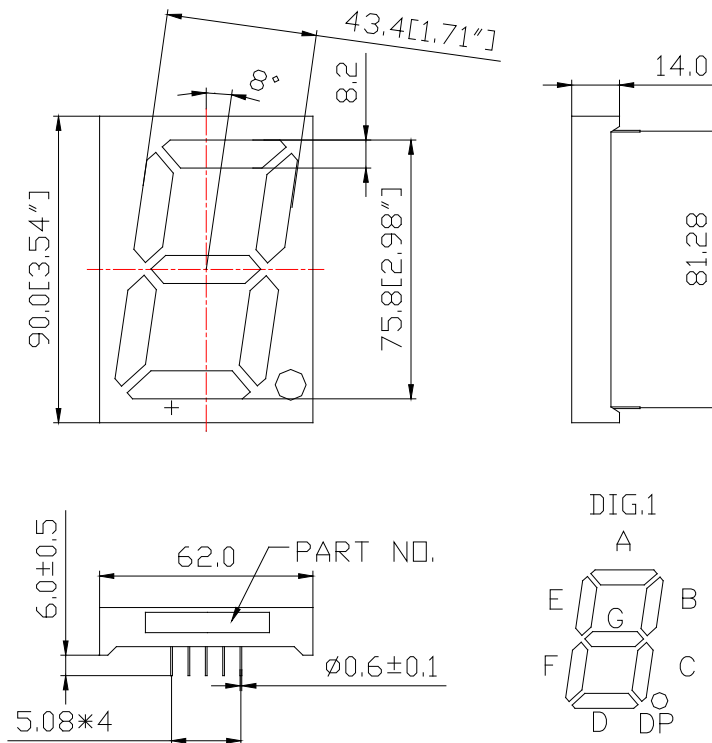
WCN1-00C0SD-A31

SPECIFICATION

WCN			CUSTOMER
NOTE:			

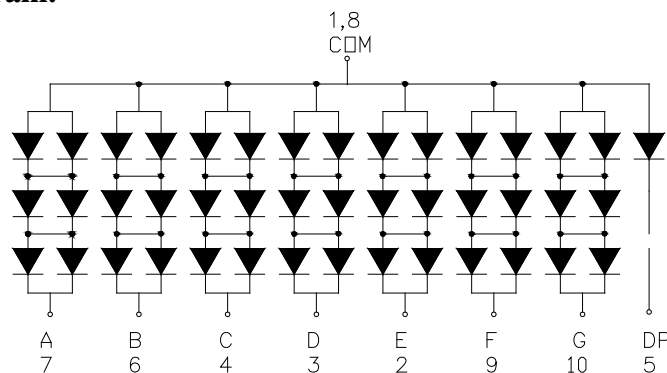
REVISION: 01

Outer Dimension:



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

■ Circuit Diagram:



■ Pin Connection:

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

World Components Network Service Ltd

■ **Features:**

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

■ **Description:**

- . Single Digit Display
- . Digit Height:75.8mm(3.0")
- . Black Face And Encapsulation With Milky Segment

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

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment/DP	P _d	—	Red	150/50	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 10KHz	Red	100	mA
Reverse Voltage Per Segment/DP	V _R	—	Red	15/5	V
Operating Temperature Range	Topr	—	—	-35~+85	°C
Storage Temperature Range	Tstg	—	—	-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 _F	I _F =20mA	Per Segment	Red	—	5.4	6.0	V
			DP			1.8	2.0	
Reverse Current	I _R	V _R =15V	Per Segment	Red	—	—	100	μA
		V _R =5V	DP					
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	24	32	—	mcd
Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	660	—	nm
	λ _D					643		
Spectral Line Half Width	Δλ	I _F =20mA	Per Segment	Red	—	20	—	nm
Luminous Intensity Matching Ratio (Segment To Segment)	I _{v-m}	I _F =10mA					1.5:1	

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

■ **Soldering Conditions:** Soldering Temp. ≤ +260°C, Soldering Time. ≤ 3sec.
(at 2mm Distance from The Case of Reflector Edge)