



World Components Network Service Ltd

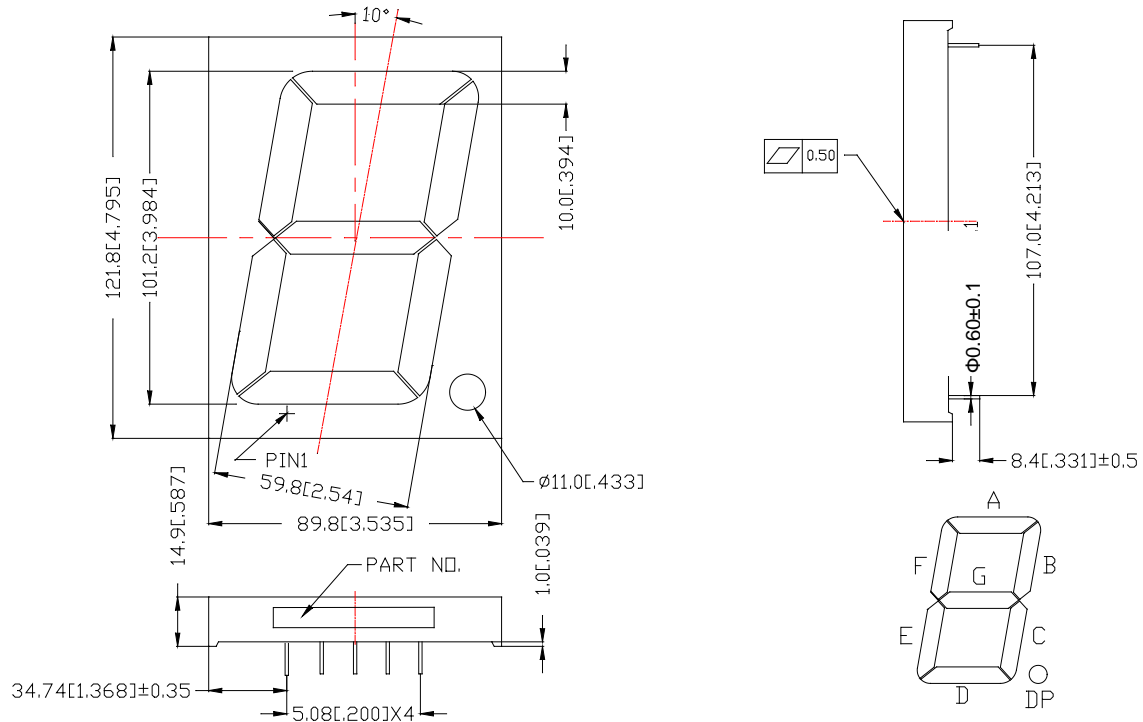
WCN1-00D0SD-C11S

SPECIFICATION

WCN			CUSTOMER
NOTE:			

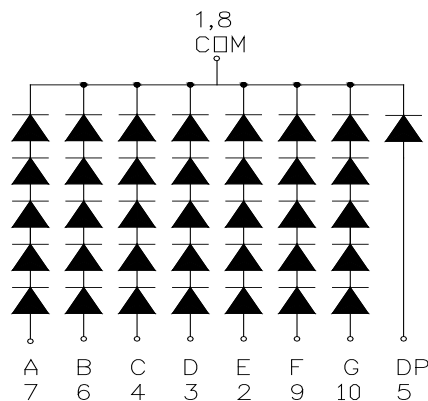
REVISION: 02

Outer Dimension:



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

Circuit Diagram:



Pin Connection:

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

■ Features:

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

■ Description:

- Single Digit LED Display
- Digit Height: 101.2mm(4.0")
- Black Face And Encapsulation With Milky Segment

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment/DP	P _d	—	Red	250/50	mW
Forward Current Segment	I _F	—	Red	25	mA
Derating Of If Per Segment	△I _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	25/5	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	—	9.5	10.5	V
			DP			1.9	2.1	
Reverse Current	I _R	V _R =25V	Per Segment	Red	—	—	100	μA
		V _R =5V	DP					
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	15.0	20.0	—	mcd
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	

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

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

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