World Components Network Service Ltd

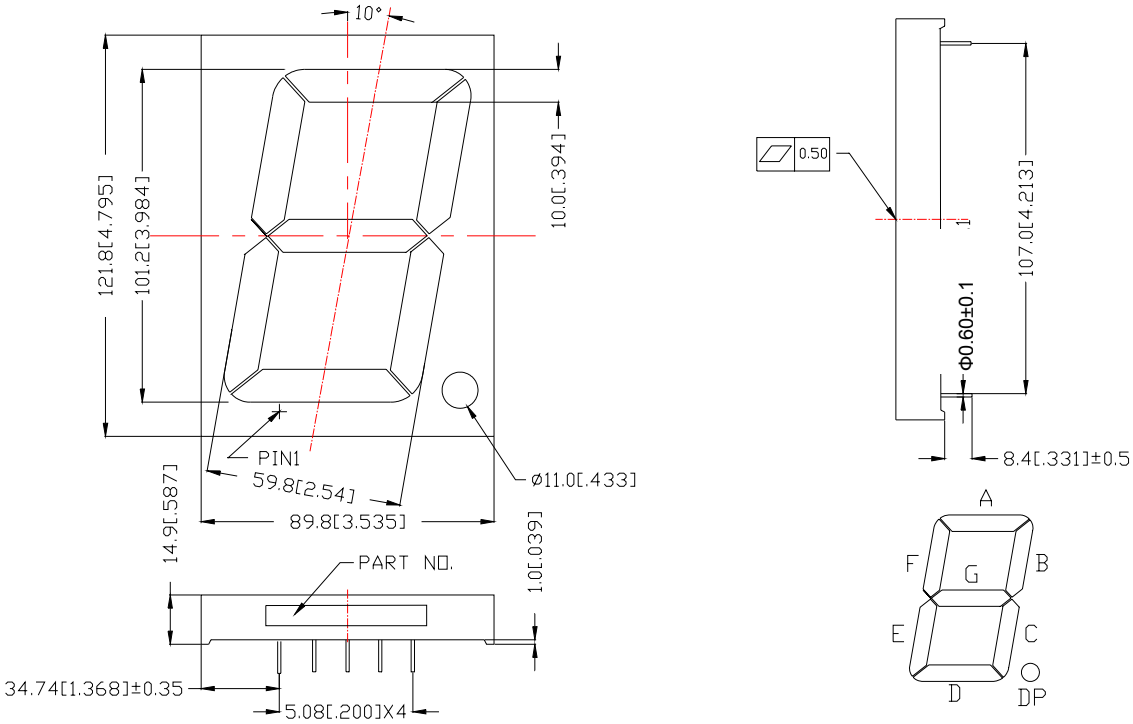
WCN1-00D0SR-C11S

SPECIFICATION

WCN			CUSTOMER
NOTE:			

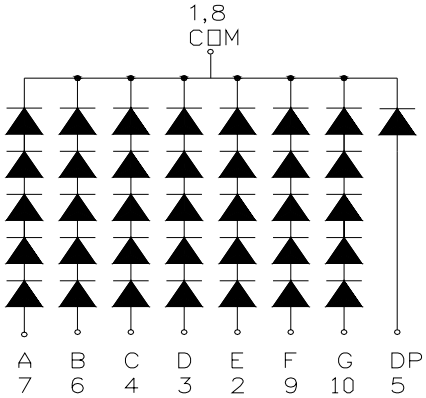
REVISION: 02

■ 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

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■ 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℃):

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	$\triangle I_F$	Ta≧25℃	Red	0.30	mA/℃
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	℃
Storage Temperature Range	Tstg	—	—	-35～+85	℃

■Electrical/Optical Characteristics Rating(Ta=25℃):

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	8.0	15.0	—	mcd
Wave Length	λ_P	I_F=20mA	Per Segment	Red	—	660	—	nm
	λ_D					643		
Spectral Line Half Width	$\triangle\lambda$	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℃, Soldering Time. ≦3sec.

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