



World Components Network Service Ltd

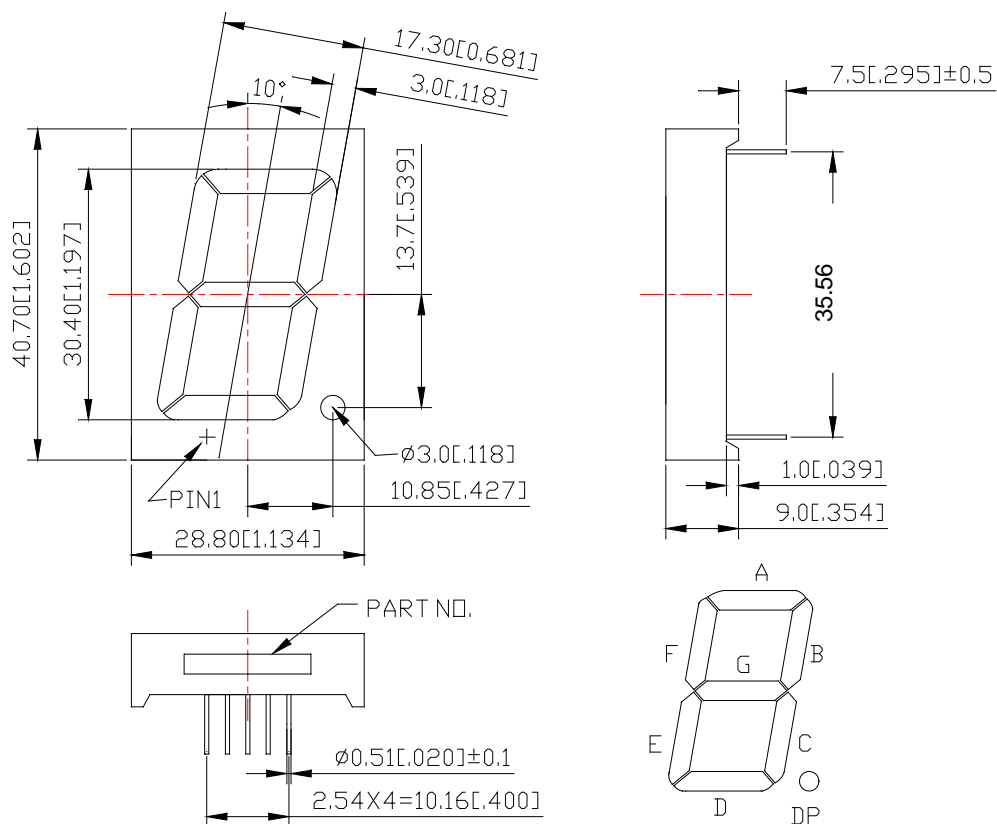
WCN1-00A2SD-A21S

SPECIFICATION

WCN			CUSTOMER
NOTE:			

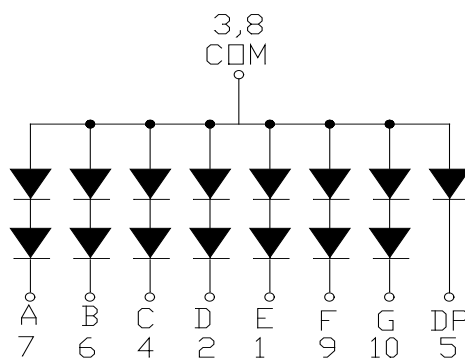
REVISION: 01

Outer Dimension:



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

■ **Circuit Diagram:**



■ Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	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

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■ Features:

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

■ Description:

- Single Digit LED Display
- Digit Height:30.4mm(1.2")
- 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	115/57.5	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	10/5V	V
Operating Temperature Range	Topr	—	Red	-35~+85	°C
Storage Temperature Range	Tstg	—	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 _F	I _F =20mA	Per Segment/DP	Red	—	3.8/1.9	4.2/2.3	V
Reverse Current	I _R	V _R =10V/5V	Per Segment/DP	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	13.0	25.0	—	mcd
Wave Length	λ _P	I _F =20mA	Per Segment	Red	—	660	—	nm
	λ _D					640		
Spectral Line Half Width	△λ	I _F =20mA	Per Segment	Red	—	20	—	nm
Electrostatic Discharge Threshold (HBM)	ESD	—	—	—	—	1000	—	V
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)