



World Components Network Service Ltd

WCN1-00B2SD-A21S

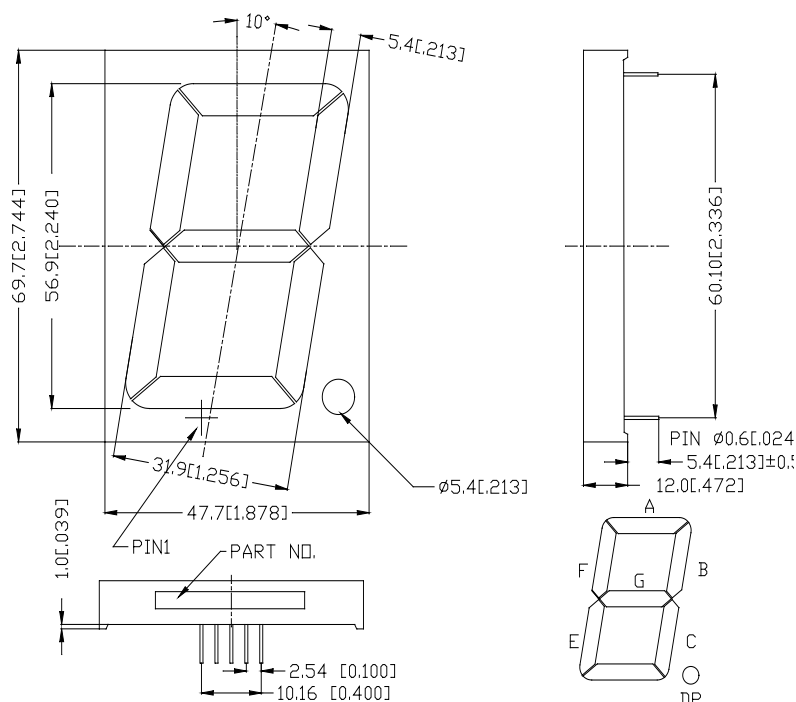
SPECIFICATION

WCN			CUSTOMER
NOTE:			

REVISION: 02

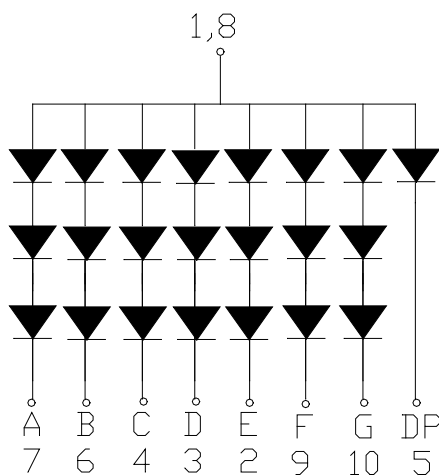
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■ **Outer Dimension:**



Notes: Unless otherwise stated, The tolerance is $\pm 0.25\text{mm}$.

■ Circuit Diagram



■ Pin Connection:

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

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Features:

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

Description:

- Single Digit LED Display
- Digit Height: 56.90mm (2.24")
- 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	150/50	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	15/5	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	—	5.70	6.30	V
			DP			1.90	2.1	
Reverse Current	I _R	V _R =15V/5V	Per Segment/DP	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	19991	30000	—	μcd
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					1:1.3	

Luminous Intensity Sorting: (Luminous Intensity Tolerance is +/-10%)

Rank	Symbol	Condition	Min	Max	Unit
N	N	I _F =10mA	19991	25990	μcd
O	O	I _F =10mA	25991	33790	μcd
P	P	I _F =10mA	33791	43990	μcd
Q	Q	I _F =10mA	43991	57100	μcd

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

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