



World Components Network Service Ltd

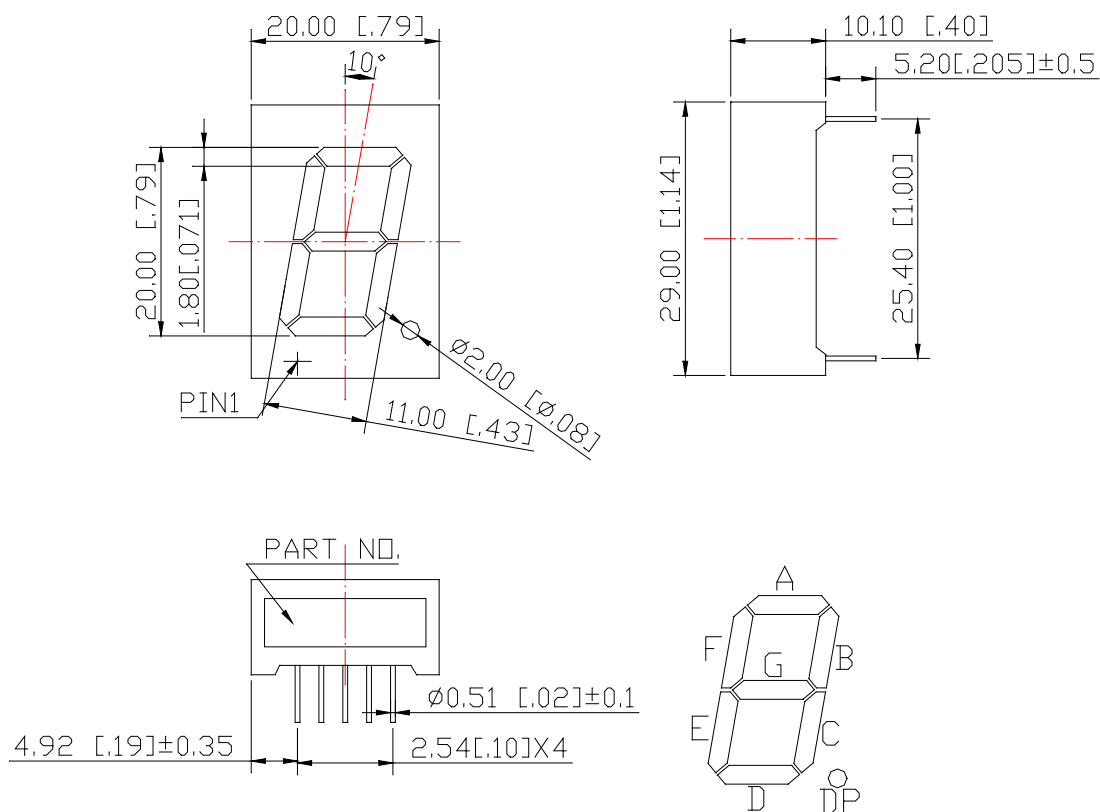
WCN1-0080GU-A51

SPECIFICATION

WCN			CUSTOMER
NOTE:			

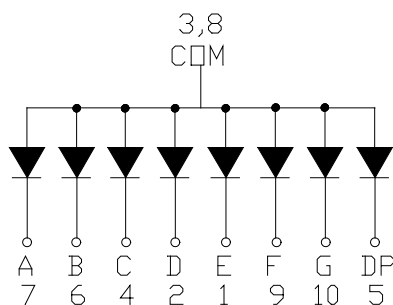
REVISION: 01

Outer Dimension:



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

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

Features:

- High Reliability
- Color: Yellow Green
- Low Power Requirement

Description:

- Single Digit LED Display
- Digit Height: 20.0mm(0.80")
- Black Face and Encapsulation With Milky Segment

Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment	P _d	—	Yellow	65	mW
Forward Current Per Segment	I _F	—	Yellow	25	mA
Derating Of If Per Segment	△I _F	Ta ≥ 25°C	Yellow	0.33	mA/°C
Peak Forward Current Per Segment	I _{FP}	1/10 Duty 10KHz	Yellow	100	mA
Reverse Voltage Per Segment	V _R	—	Yellow	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	Yellow Green	1.80	2.25	2.60	V
Reverse Current	I _R	V _R =5V	Per Segment	Yellow Green	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Yellow Green	3420	5000	—	μcd
Wavelength	λ _P	I _F =20mA	Per Segment	Yellow Green	—	568	—	nm
	λ _D					573		
Spectral Line Half Width	△λ	I _F =20mA	Per Segment	Yellow Green	—	30	—	nm
Luminous Intensity Matching Ratio (Segment To Segment)	I _{v-m}	I _F =10mA					2:1	

Luminous Intensity Sorting:(Luminous intensity tolerance:+/-10%)

Rank	Symbol	Condition	Min	Max	Unit
J	J	I _F =10mA	3420	4200	μcd
K	K	I _F =10mA	4200	5040	μcd
L	L	I _F =10mA	5040	6050	μcd
M	M	I _F =10mA	6050	7250	μcd

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