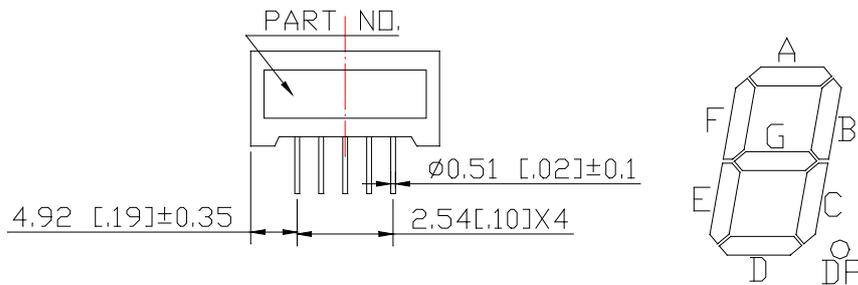
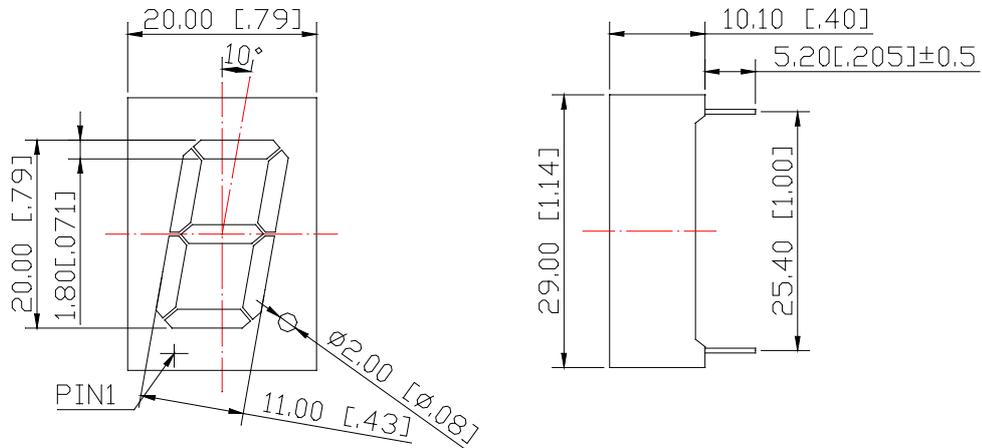


WCN1-0080SR-C51**SPECIFICATION**

WCN			CUSTOMER
NOTE:			

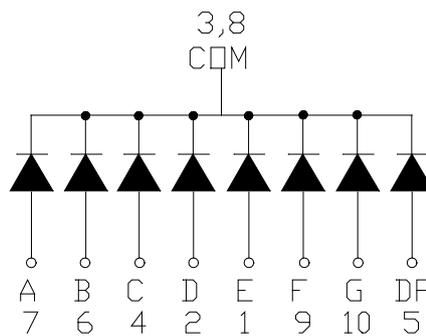
REVISION: 01

■ **Outer Dimension:**



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

■ **Circuit Diagram:**



■ **Pin Connection:**

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

■ Features:

- High Reliability
- Color: Red
- 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	—	Red	50	mW
Forward Current Per 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	V _R	—	Red	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	—	1.80	2.00	V
Reverse Current	I _R	V _R =5V	Per Segment	Red	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	Red	5051	10000	—	μcd
	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	

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

Rank	Symbol	Condition	Min	Max	Unit
K	K	I _F =10mA	5051	8000	μcd
L	L	I _F =10mA	8001	12650	μcd
M	M	I _F =10mA	12651	19990	μcd

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

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