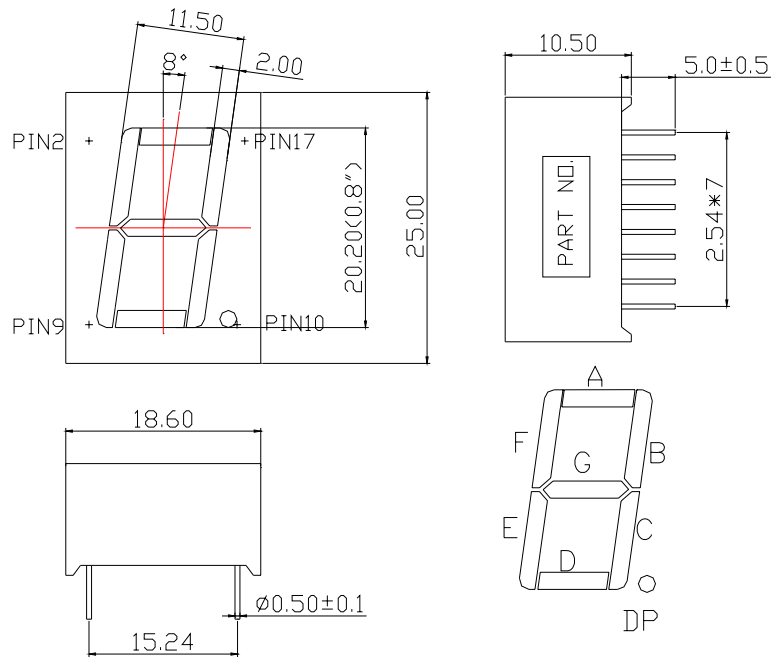


WCN1-1080SR-A91R**SPECIFICATION**

WCN			CUSTOMER Confirmed
Prepared by	Checked by	Approved by	

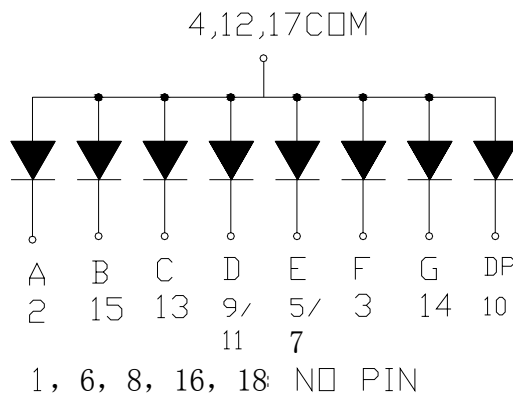
**REVISION: A0**

■ **Outer Dimension:**



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

■ **Circuit Diagram:**



■ **Pin Connection**

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	NP	10	Cathode DP
2	Cathode A	11	Cathode D
3	Cathode F	12	Common Anode
4	Common Anode	13	Cathode C
5	Cathode E	14	Cathode G
6	NP	15	Cathode B
7	Cathode E	16	NP
8	NP	17	Common Anode
9	Cathode D	18	NP

■ **Features:**

- . High Reliability
- . Color: Red
- . Low Power Requirement
- . Easy Assembly

■ **Description:**

- . Single Digit Display
- . Digit Height: 20.2mm(0.8")
- . Gray Face and Milky Segment

■ **Absolute Maximum Rating (Ta=25°C):**

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Segment	P _d	—	Red	65	mW
Forward Current Segment	I _F	—	Red	25	mA
Derating Of I _f Per Segment	ΔI _F	Ta ≥ 25°C	Red	0.33	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	—	Red	-35~+85	°C
Storage Temperature Range	Tstg	—	Red	-35~+85	°C

■ **Electrical/Optical Characteristics Rating(Ta=25°C)**

Item	Symbol	Test conditions	Location	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	—	2.10	2.60	V
Reverse Current	I _R	V _R =5V	Per Segment	—	—	100	μA
Luminous Intensity	I _V	I _F =10mA	Per Segment	5.05	12.00	—	mcd
Peak Emission Wave Length	λ _P	I _F =20mA	Per Segment	—	645	—	nm
	λ _D				638		
Spectral Line Half Width	Δλ	I _F =20mA	Per Segment	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =20mA				2:1	

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

Rank	Symbol	Condition	Min	Max	Unit
K	K	I _F =10mA	5.05	8.00	mcd
L	L	I _F =10mA	8.00	12.56	mcd
M	M	I _F =10mA	12.56	20.00	mcd

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