



World Components Network Service Ltd

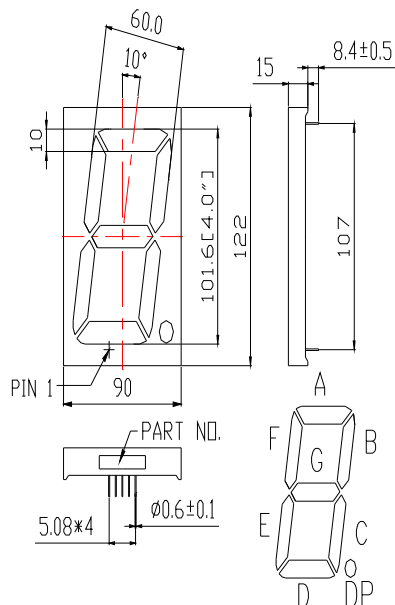
WCN1-00D0SR-A11S

SPECIFICATION

WCN			CUSTOMER Confirmed
Prepared by	Checked by	Approved by	

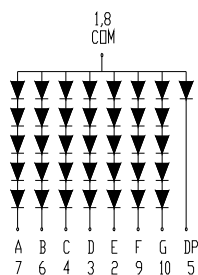
REVISION: 01

■ Outer Dimension:



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

■ Circuit Diagram:



■ Pin Connection:

PIN NO.	CONNECTION	PIN NO.	CONNECTION
1	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

World Components Network Service Ltd

■ Features:

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

■ Description:

- . Single Digit LED Display
- . Digit Height:101.2mm(4.0")
- . Black Face and Milky Segment

■ Absolute Maximum Rating (Ta=25°C):

Parameter	Symbol	Condition	Color	Rating	Units
Power Dissipation Per Segment/DP	P _d	—	Red	265 / 52.5	mW
Forward Current Per Segment	I _F	—	Red	25	mA
Derating Of If Per Segment	ΔI _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	25/5	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	Rating			Units
				Min.	Typ.	Max.	
Forward Voltage	V _F	I _F =20mA	Per Segment	—	9.25	10.50	V
			DP		1.85	2.10	
Reverse Current	I _R	V _R =25V	Per Segment	—	—	100	μA
		V _R =5V	DP				
Luminous Intensity	I _V	I _F =10mA	Per Segment	8.0	15.0	—	mcd
Wave Length	λ _P	I _F =20mA	Per Segment	—	660	—	nm
	λ _D				643		
Spectral Line Half Width	Δλ	I _F =20mA	Per Segment	—	20	—	nm
Luminous Intensity Matching Ratio (Segment to Segment)	I _{v-m}	I _F =10mA	—	—	—	2:1	

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

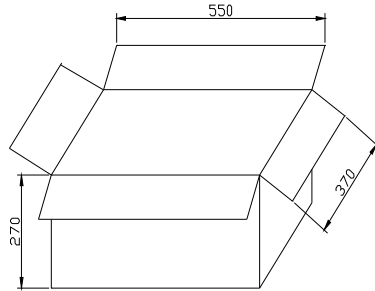
Rank	Symbol	Condition	Min	Max	Unit
L	L	I _F =10mA	8.0	12.56	mcd
M	M	I _F =10mA	12.56	20.0	mcd
N	N	I _F =10mA	20.0	32.0	mcd

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

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

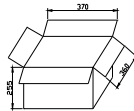
World Components Network Service Ltd

■ Outer Carton Dimension:



- Note:** 1. An Outer carton contained two Inner cartons and 108PCS products.
2. Unless otherwise stated , The tolerance is +5mm / -0mm.
3. The carton material is A=A Brown Paper.

■ Inner Carton Dimension:



- Note:** 1. An Inner carton contained 9PCS Foam Board and 54PCS products.
2. Unless otherwise stated , The tolerance is ± 2 mm.
3. The carton material is B=B Paper.

■ Foam Board Dimension:



- Note:** 1. A Foam Board contained 6PCS products.
2. Unless otherwise stated , The tolerance is ± 2 mm.