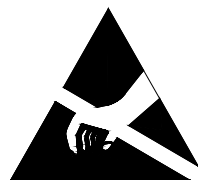
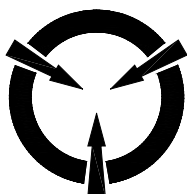
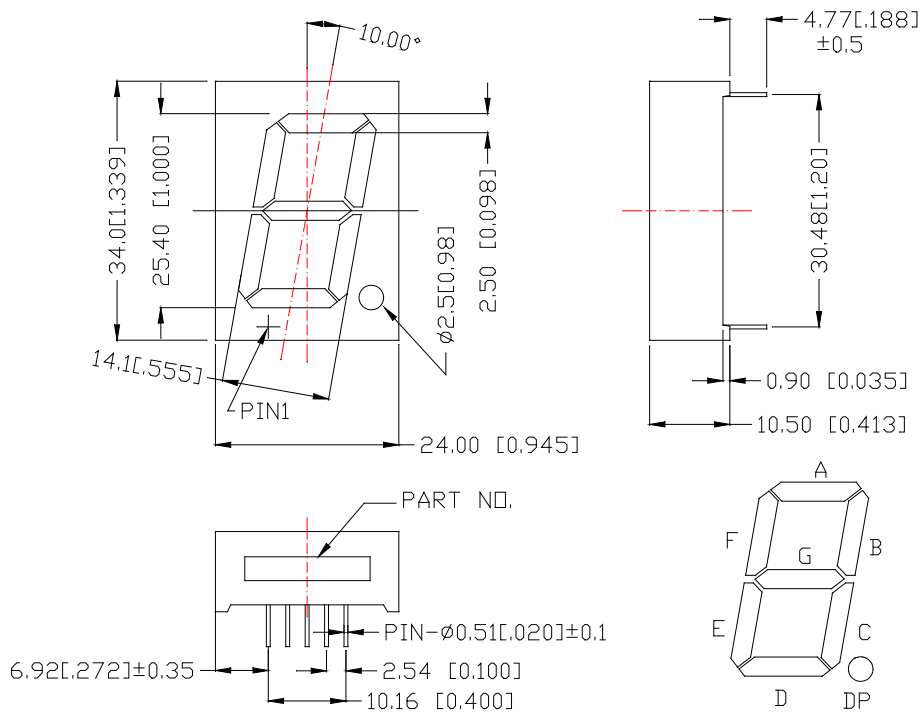


**WCN1-00A0R6-A21****SPECIFICATION**

WCN			CUSTOMER
<b>NOTE:</b>			

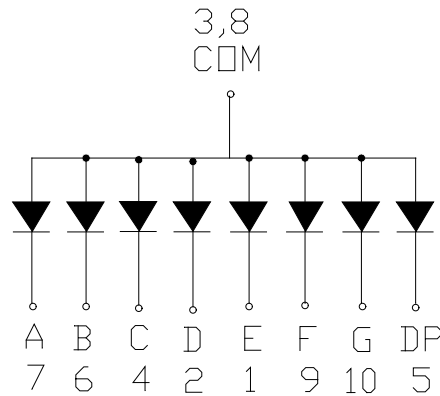
REVISION: 01

### Outer Dimension:



Notes: Unless otherwise stated, The tolerance is  $\pm 0.25$ 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: Super Bright Red
- Low Power Requirement
- Easy Assembly

■ Description:

- Single Digit LED Display
- Digit Height: 25.40mm(1.00")
- 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	57.5	mW
Forward Current Per Segment	$I_F$	—	Red	25	mA
Derating Of If Per Segment	$\Delta I_F$	Ta $\geq$ 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	—	1.95	2.3	V
Reverse Current	$I_R$	$V_R=5V$	Per Segment	Red	—	—	100	$\mu A$
Luminous Intensity	$I_v$	$I_F=10mA$	Per Segment	Red	10.0	15.0	—	md
Wave Length	$\lambda_P$	$I_F=20mA$	Per Segment	Red	—	660		nm
	$\lambda_D$					640		
Spectral Line Half Width	$\Delta \lambda$	$I_F=20mA$	Per Segment	Red	—	20	—	nm
Electrostatic Discharge Threshold (HBM)	ESD	—	—	—	—	1000	—	V
Luminous Intensity Matching Ratio(Segment to Segment)	$I_{v-m}$	$I_F=10mA$	—	—	—	—	2:1	

■ Notes: Luminous intensity tolerance : +/-10%

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