

## NEW PRODUCT APPROVED

(CUSTOMERS) \_\_\_\_\_

(CUSTOMER P/N) IE-328B-C11-BW

(DESCRIPTION) 0.28"

(SAMPLE DATE) \_\_\_\_\_

<b>Specification</b> <input checked="" type="checkbox"/>	<b>INSPECTION</b> <input type="checkbox"/>	<b>SAMPLE</b> <input type="checkbox"/>	<b>OTHERS</b> <input type="checkbox"/>
<b>(APPROVED BY)</b>	<b>(CHECKED BY)</b>	<b>(PREPARED BY)</b>	
<b>(CUSTOMER VERDICT)</b>			
<b>(OK)</b> <input type="checkbox"/>		<b>(NG)</b> <input type="checkbox"/>	
<b>(APPROVED BY):</b>		<b>(APPROVED DATE):</b>	
<b>(IMPROVED ADVICE):</b>          			

**REMARK:** FOR OFFERING THE BEST SERVICE TO CUSTOMER, PLEASE FAX THE DATA TO FACTORY IN TIME

## 1. FEATURES:

- High intensity and reliability
  - High quality, Low power requirement and low cost
  - IC compatible , Easy assembly
- ESD : 2000V

## 2. DESCRIPTION:

- 0.28 inch (7.0mm) height ,Third digit display
- Black face,White segment,Blue display
- Common Cathode, Dynamic drive connect
- Dice material: **InGaN** Blue

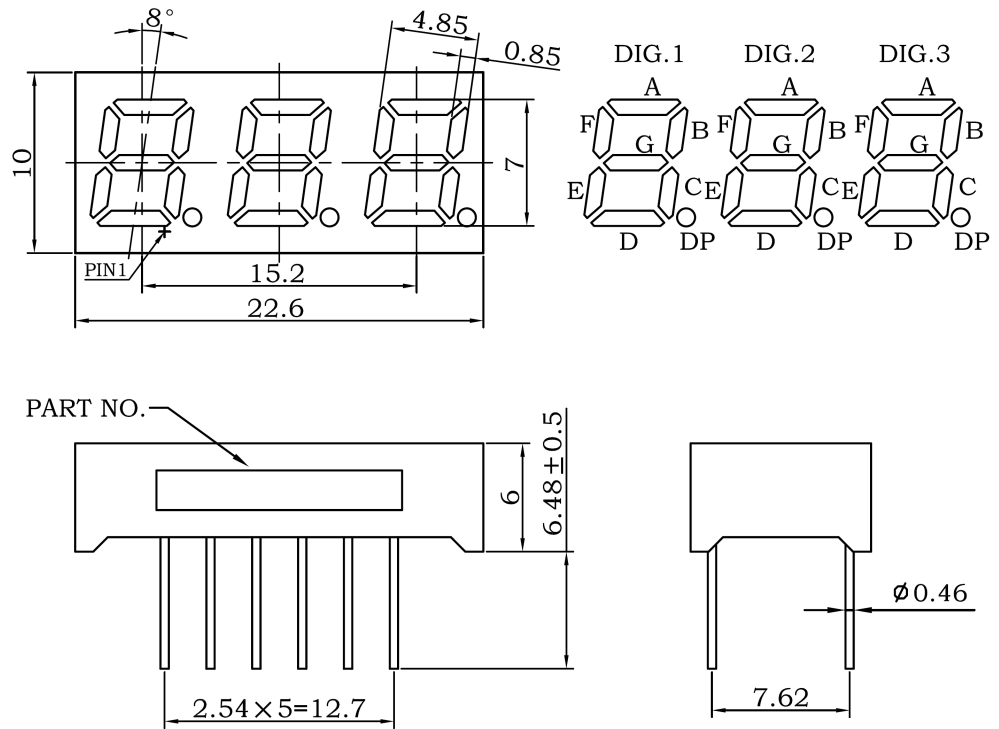
## 3. ABSOLUTE MAXIMUM RATINGS AT $T_a=25^{\circ}\text{C}$ :

(PARAMETER)	Max.	UNIT
Power Dissipation Per Segment	<b>76</b>	<b>mW</b>
Peak Forward Current Per Segment (1/10duty cycle 0.1ms pulse width)	<b>100</b>	<b>mA</b>
Average Forward Current Per Segment	<b>20</b>	<b>mA</b>
Derating Linear From 25°C Per Segment	<b>0.25</b>	<b>mA/°C</b>
Reverse Voltage Per Segment	<b>5</b>	<b>V</b>
Operating Temperature Range	<b>-35°C to + 85°C</b>	
Storage Temperature Range	<b>-35°C to + 85°C</b>	
Lead Soldering Temperature 260°C at 1.6mm From Body for 5 seconds		

## 4. ELECTRICAL/OPTICAL CHARACTERISTICS AT $T_a=25^{\circ}\text{C}$ :

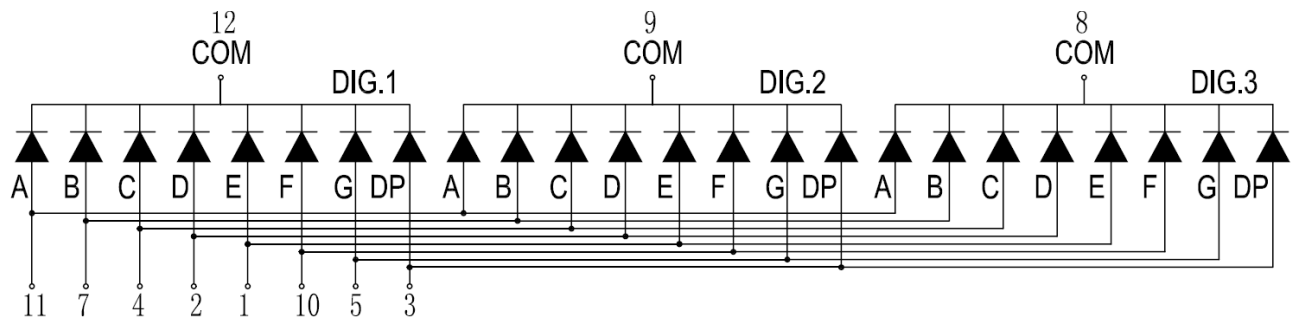
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	Test condition
Luminous Intensity Per Segment	$I_v$	—	<b>15</b>	—	<b>mcd</b>	<b><math>I_F=10\text{mA}</math></b>
Dominant Wavelength	$\lambda_D$	—	<b>464</b>	—	<b>nm</b>	<b><math>I_F=20\text{mA}</math></b>
Spectral Line Half-Width	$\Delta\lambda$	—	<b>30</b>	—	<b>nm</b>	<b><math>I_F=20\text{mA}</math></b>
Forward Voltage Per Segment	$V_F$	—	<b>3.0</b>	<b>3.8</b>	<b>V</b>	<b><math>I_F=20\text{mA}</math></b>
Reverse Current Per Segment	$I_R$	—	—	<b>100</b>	<b><math>\mu\text{A}</math></b>	<b><math>V_R=5\text{V}</math></b>
Luminous Intensity Matching Ratio (Segment To Segment)	$I_{v-m}$			<b>2:1</b>		<b><math>I_F=10\text{mA}</math></b>

## 5. Outer Dimension:



NOTES: All dimensions are in millimeters (inches) tolerance are  $\pm 0.25\text{mm}(0.010)$  unless otherwise noted

## 6. INTERNAL CIRCUIT DIAGRAM:



6 NO PIN