



# PRODUCT SPECIFICATION

**Model No.: FYLT-3031DUW-21**

Descriptions & Features:
<ul style="list-style-type: none"> <li>■ 0.30 Inch (7.62mm) digit height, Three Digit SMD Display</li> <li>■ Common Anode</li> <li>■ Emitting Color : Ultra White</li> <li>■ Chip Material:InGaN</li> <li>■ Gray Face</li> <li>■ White Diffused Segment</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY
			

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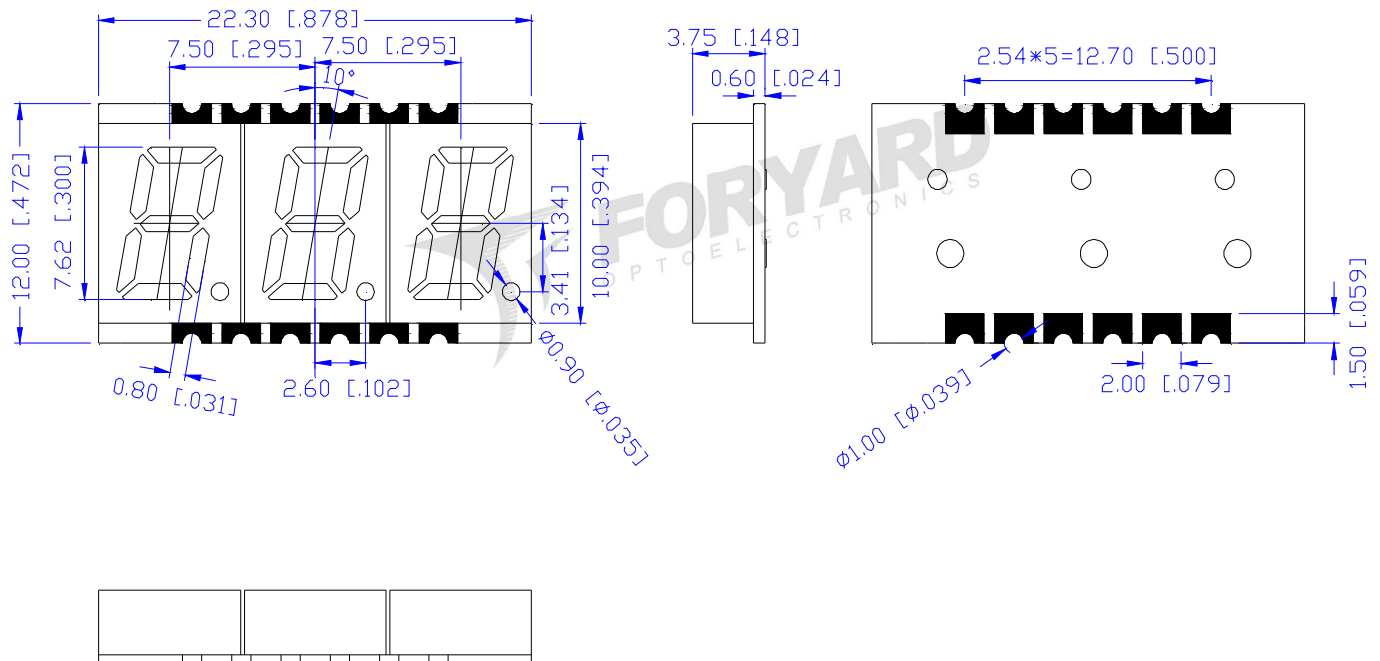
[Http://www.foryard.com](http://www.foryard.com)

**Model No.: FYLT-3031DUW-21**

**Features -**

1. 0.3 inch (7.62mm) digit height.
2. RoHS compliant.
3. Low current operation.
4. Low power consumption.
5. Easy mounting on P.C. board.

**Mechanical Dimensions**

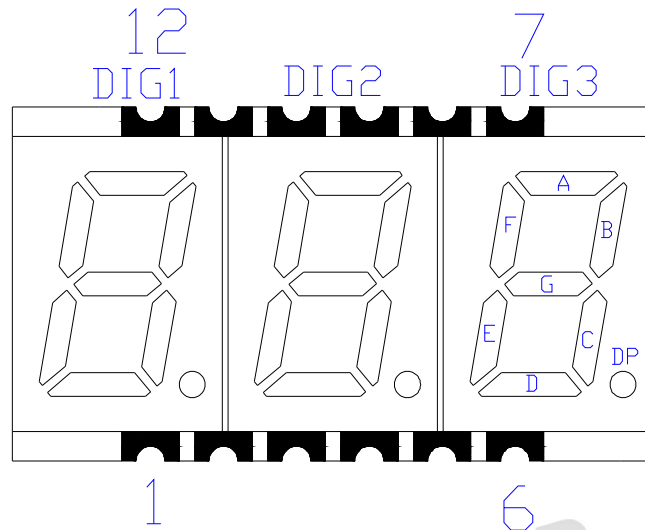


**Notes:**

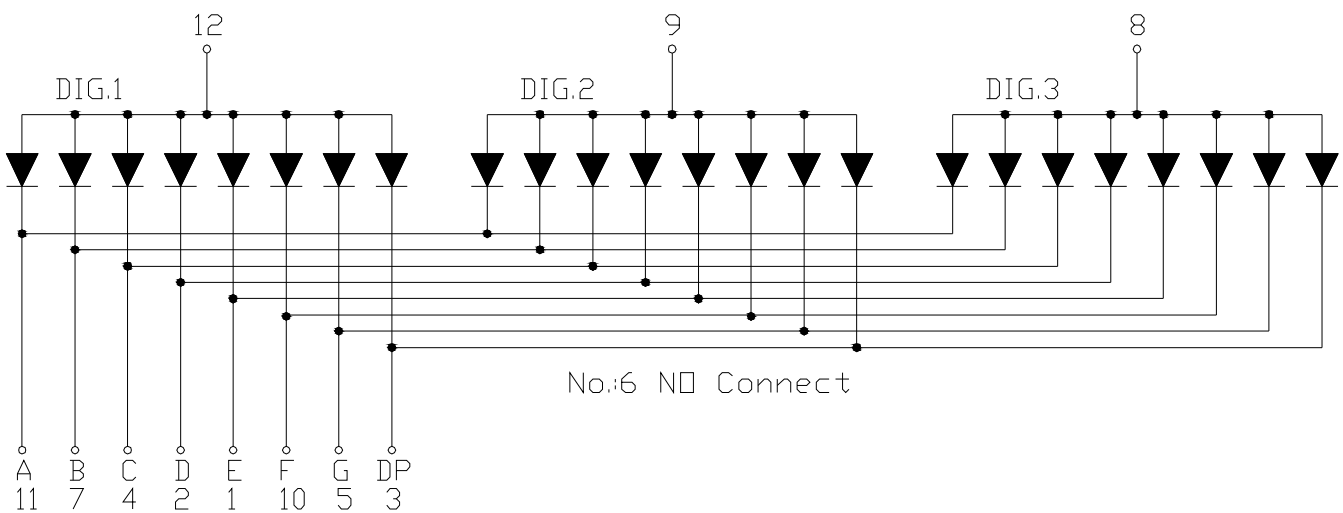
1. All dimensions are in millimeters (inches)
2. Dimension in millimeter [inch], tolerance is  $\pm 0.25$  [0.010] and angle is  $\pm 1^\circ$  unless otherwise noted.
3. Bending  $\leq$  Length\*1%.
4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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**■ All Light On Segments Feature & Pad Position**



**■ Internal Circuit Diagrams**



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**■ Absolute maximum ratings**

(Ta=25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min	Max	
Reverse Voltage	VR	IR=30	5	—	V
Forward Current	IF	—	—	30	mA
Power Dissipation	Pd	—	—	100	mW
Pulse Current	Ipeak	Duty=0.1mS,1KHz	—	150	mA
Operating Temperature	Topr	—	-40	+85	°C
Storage Temperature	Tstr	—	-40	+85	°C

**■ Electrical-Optical Characteristics**

● Color Code & Chip Characteristics:(Test Condition:IF=20mA)

(Ta=25°C)

Emitting Color	Dice Material	Peak Wave Length( $\lambda_p$ )	Spectral Line halfwidth( $\Delta\lambda_{1/2}$ )	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd	
				Typ	Max		
UW	Ultra White	InGaN	X=0.29,Y=0.28	CCT:9500K	2.80	3.80	180-200
Segment-to-Segment Luminous Intensity ratio(Iv-M)					1.5:1		

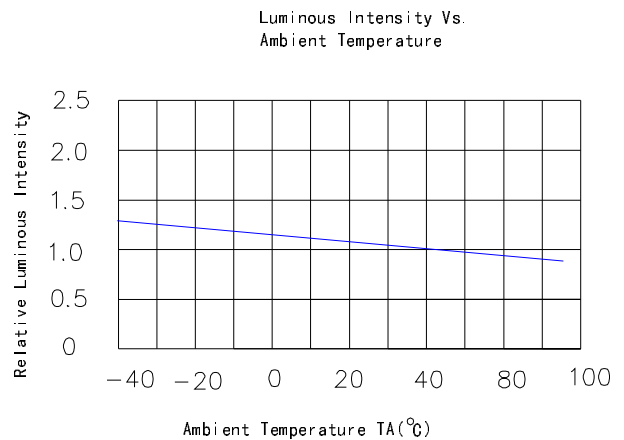
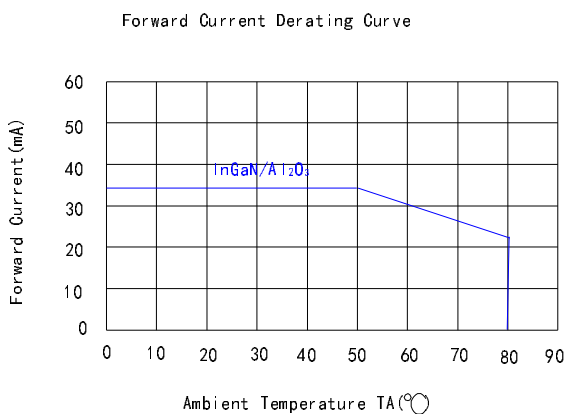
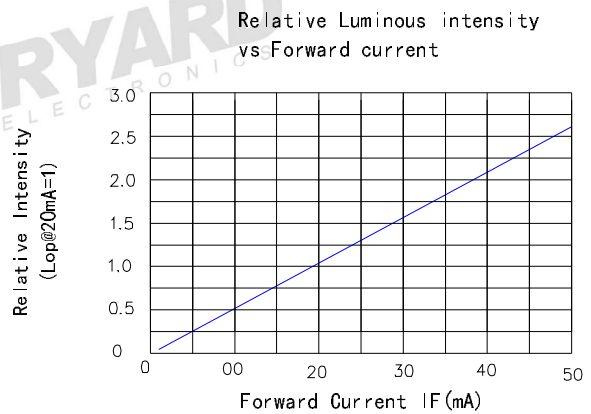
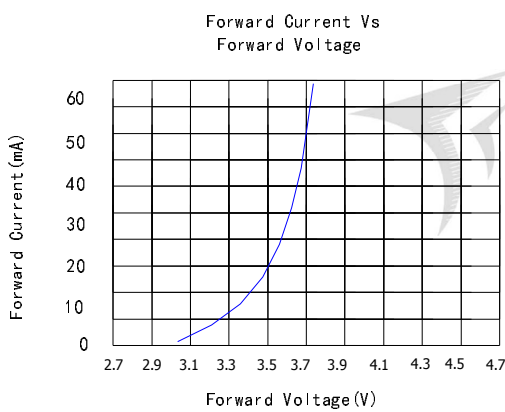
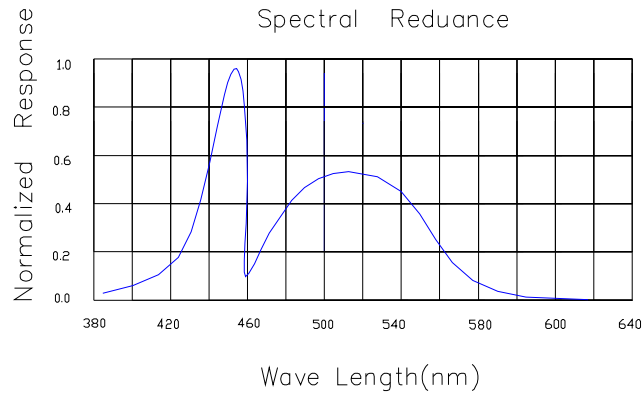
Note:

- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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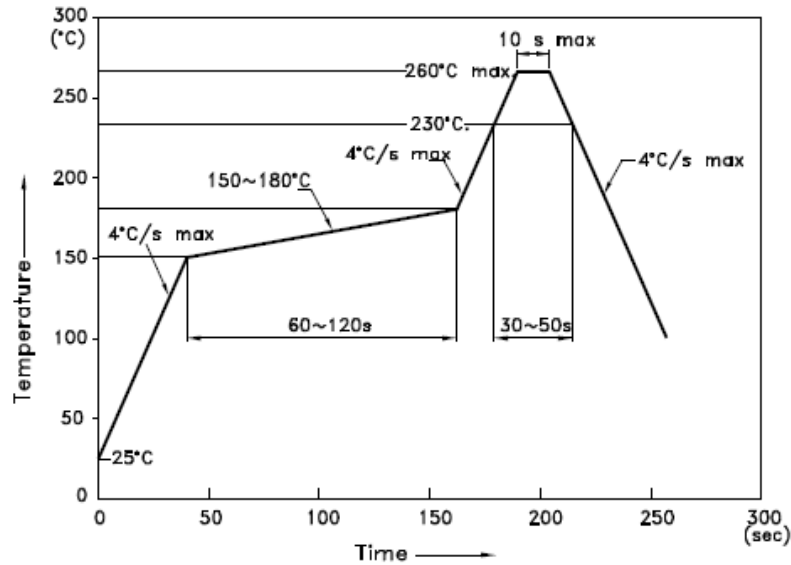
**Typical Electrical / Optical Characteristics Curves**

(Ta = 25°C Unless Otherwise Noted)



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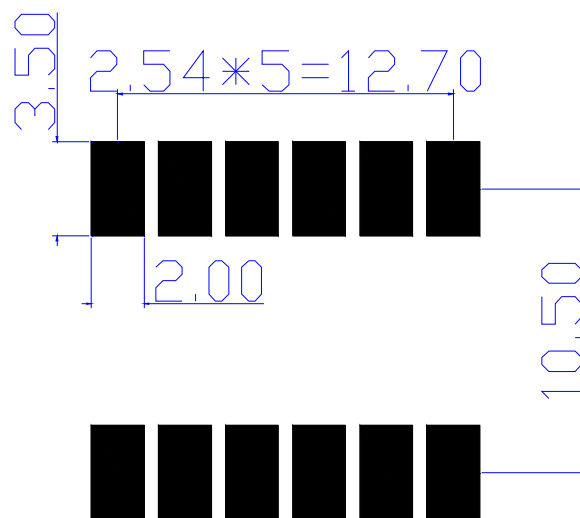
**IR Reflow Temperature / Time :**



**NOTES:**

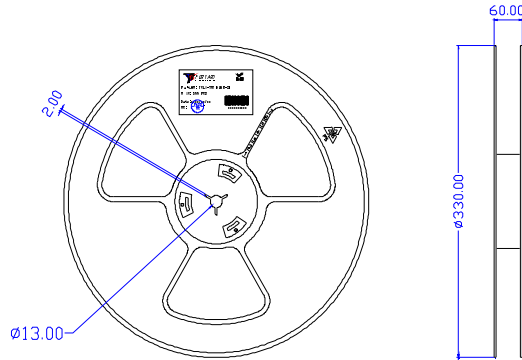
1. We recommend the reflow temperature 245°C(+/-5°C). The maximum soldering temperature should be limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

**Soldering Pad Size**

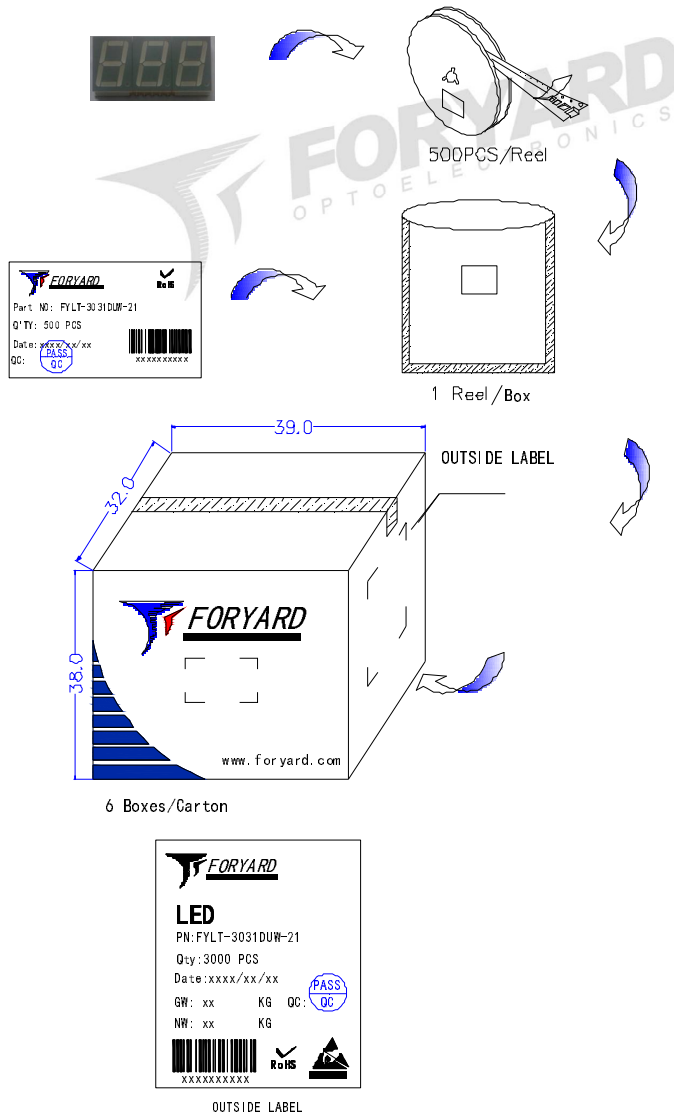


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**■ Reel Dimensions**



**■ Packing & Labe Specifications**



Note: The specifications are subject to change without notice. Please contact us for updated information.