

PRODUCT SPECIFICATION

Model No.: FYLD-2821AUW-11

Descriptions & Features:

- 0.28 Inch (7.00mm) digit height, Double Digits SMD Display
- Common Cathode
- Emitting Color : Ultra White
- Chip Material:AlGaInP
- Black Face
- White Diffused Segment



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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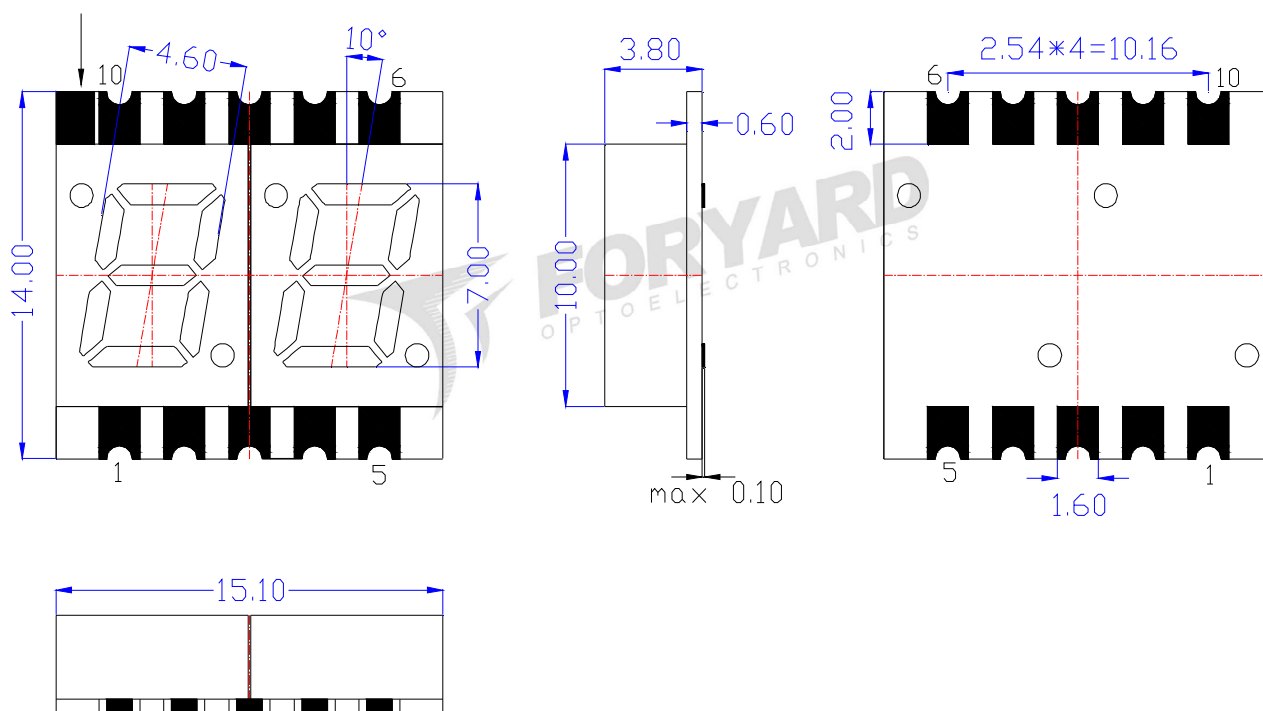
Model No.: FYLD-2821AUW-11

■ Features -

1. 0.28 inch (7.00mm) digit height.
2. RoHS compliant.
3. Low current operation.
4. Low power consumption.
5. Easy mounting on P.C. board.

■ Mechanical Dimensions

Installation mark

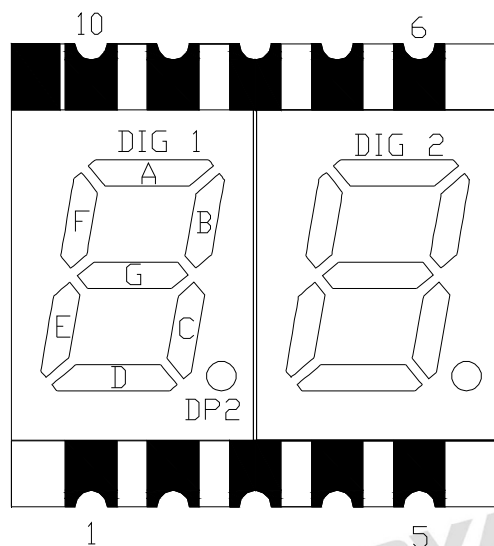


Notes:

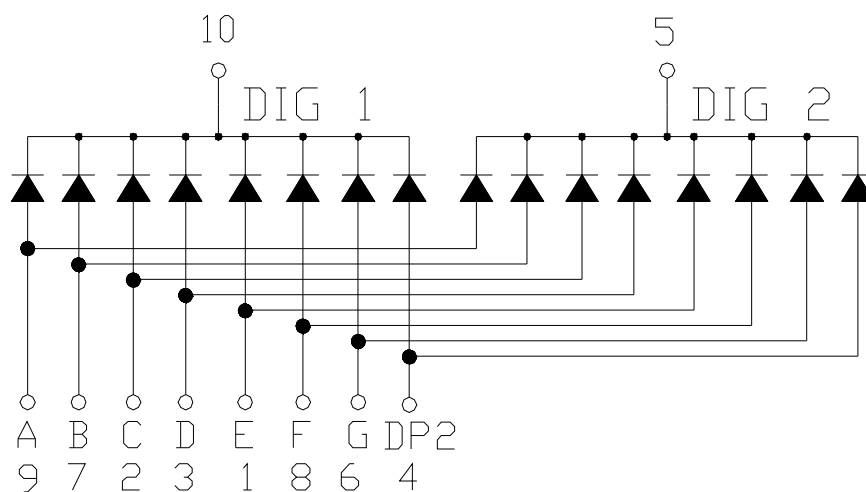
1. All dimensions are in millimeters (inches)
2. Dimension in millimeter [inch], tolerance is ± 0.25 [.010] and angle is $\pm 1^\circ$ unless otherwise noted.
3. Bending $\leq$ Length * 1%.
4. The specifications, characteristics and technical data described in the datasheet are subject to change without 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℃)

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	℃
Storage Temperature	Tstr	—	-40	+85	℃

■ Electrical-Optical Characteristics

● Color Code & Chip Characteristics:(Test Condition:IF=10mA)

(Ta=25℃)

Emitting Color		Dice Material	Chromaticity coordinates	Color temperature CCT(K)	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd
					Typ	Max	
UW	Ultra White	InGaN/GaN	X:0.27;Y:0.25	CCT:16000K	2.8	3.4	100~260
Segment-to-Segment Luminous Intensity ratio(Iv-M)					1.5:1		

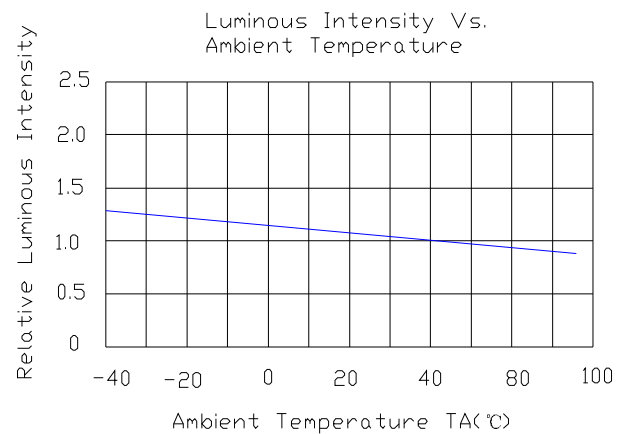
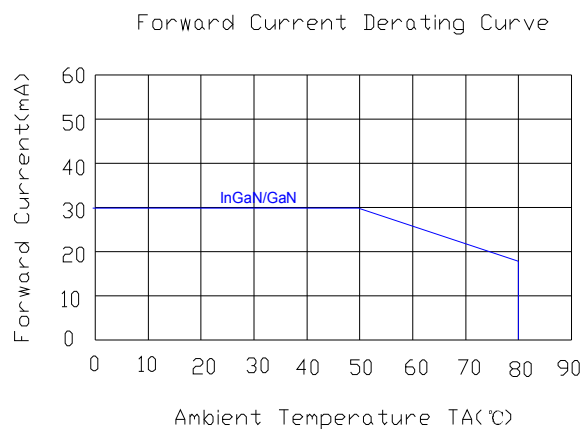
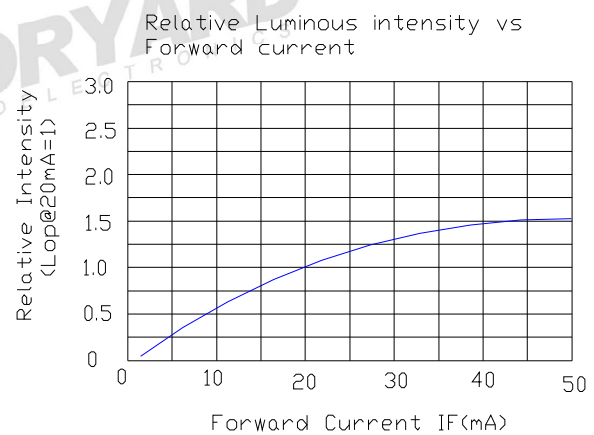
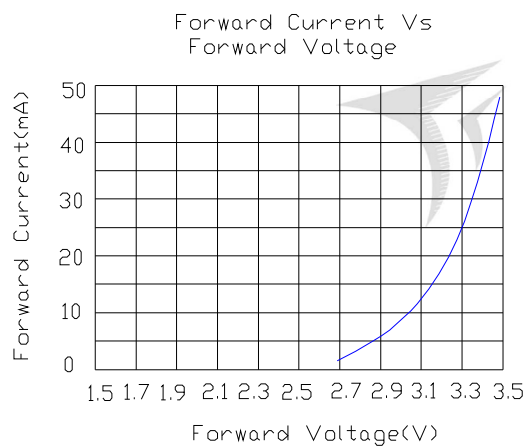
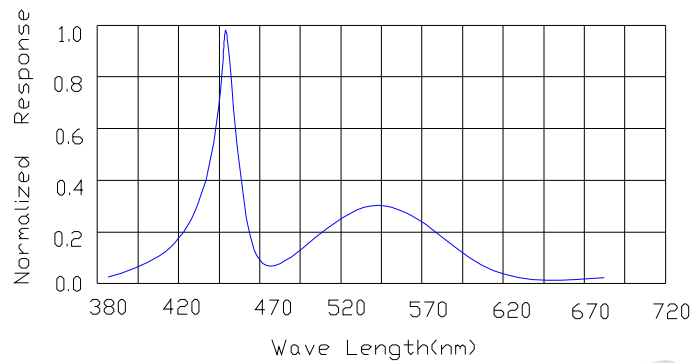
Note:

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

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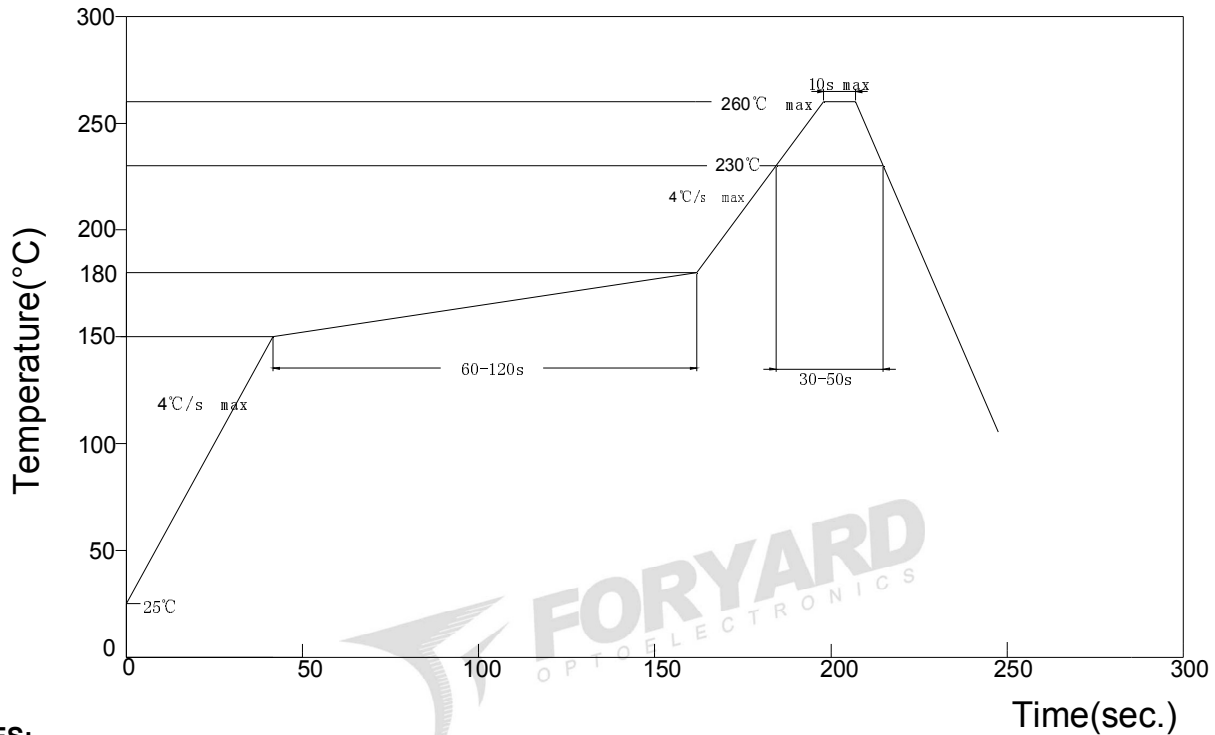
■ Typical Electrical / Optical Characteristics Curves

(Ta = 25°C Unless Otherwise Noted)



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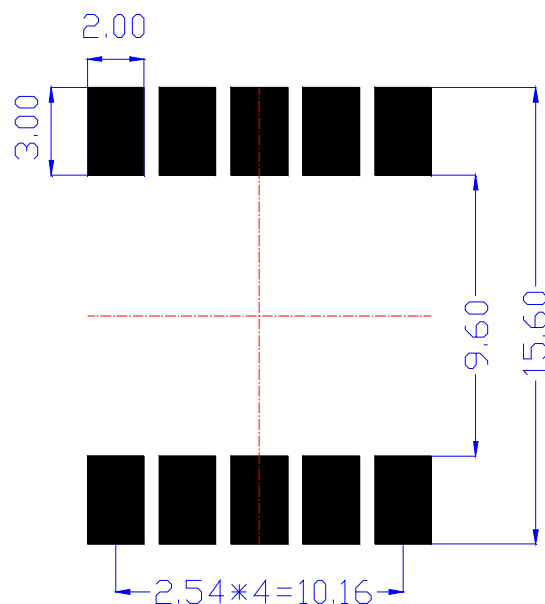
■ IR Reflow Temperature / Time :



NOTES:

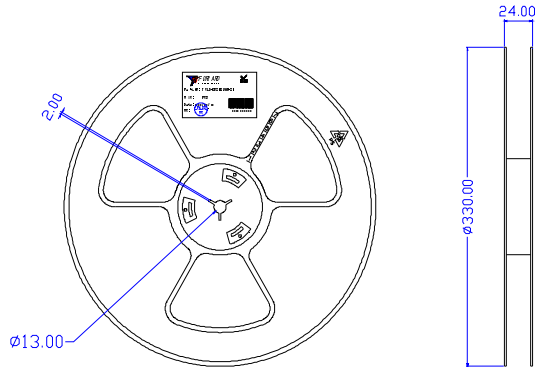
1. We recommend the reflow temperature 245°C (+/-5°C). The maximum soldering temperature is limited to 260°C.
2. Don't cause stress to the epoxy resin while it is exposed to high temperature.
3. Number of reflow process shall be 2 times or less.

■ Soldering Pad Size

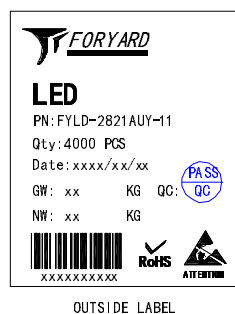
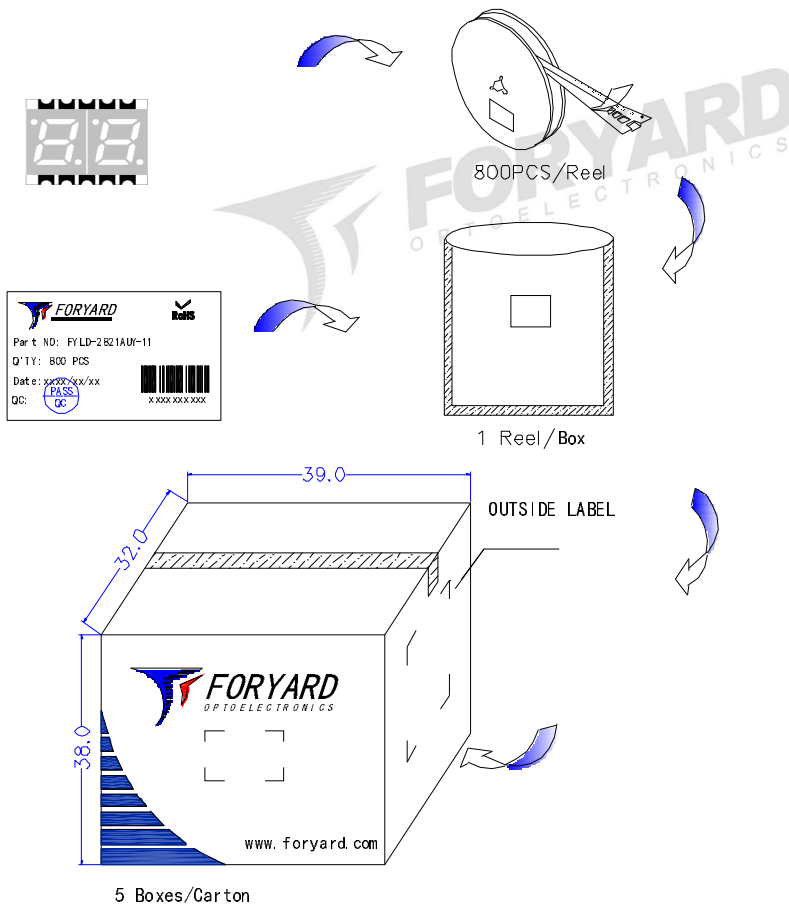


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■ Reel Dimensions



■ Packing & Labe Specifications



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