

PRODUCT SPECIFICATION

Model No.: FYLS-4011BUW-21

Descriptions & Features:
<ul style="list-style-type: none"> ■ 0.40 Inch (10.00mm) digit height, Single Digit SMD Display ■ Common Anode ■ Emitting Color : Ultra White ■ Chip Material:InGaN ■ Gray Face ■ White Diffused Segment



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD

Add:NO.115 Qixin Road Ningbo Zhejiang China

Zip:315051

Tel: 0086-574-87933652 87927870 87922206

Fax: 0086-574-87927917

E-mail:Sales@foryard.com (General)

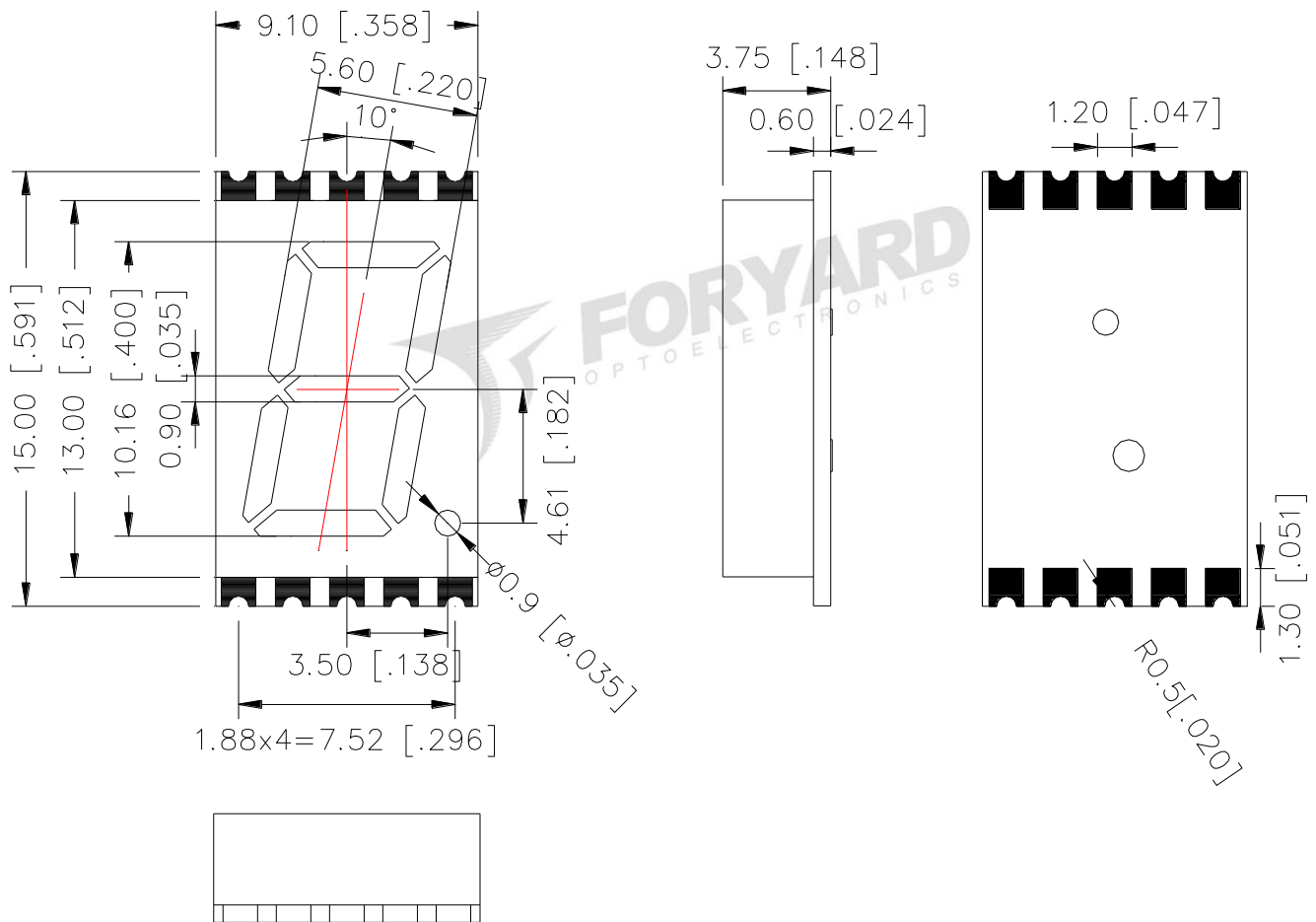
[Http://www.foryard.com](http://www.foryard.com)

Model No.: FYLS-4011BUW-21

Features -

1. 0.40 inch (10.00mm) digit height.
2. RoHS compliant.
3. Low current operation.
4. Low power consumption.
5. Easy mounting on P.C. board.

Mechanical Dimensions

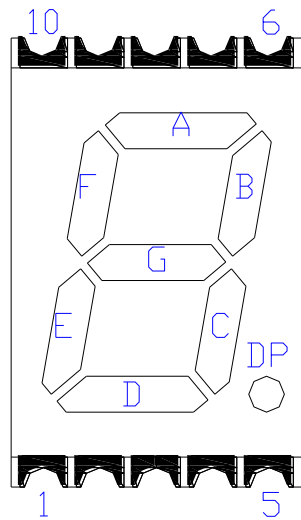


Notes:

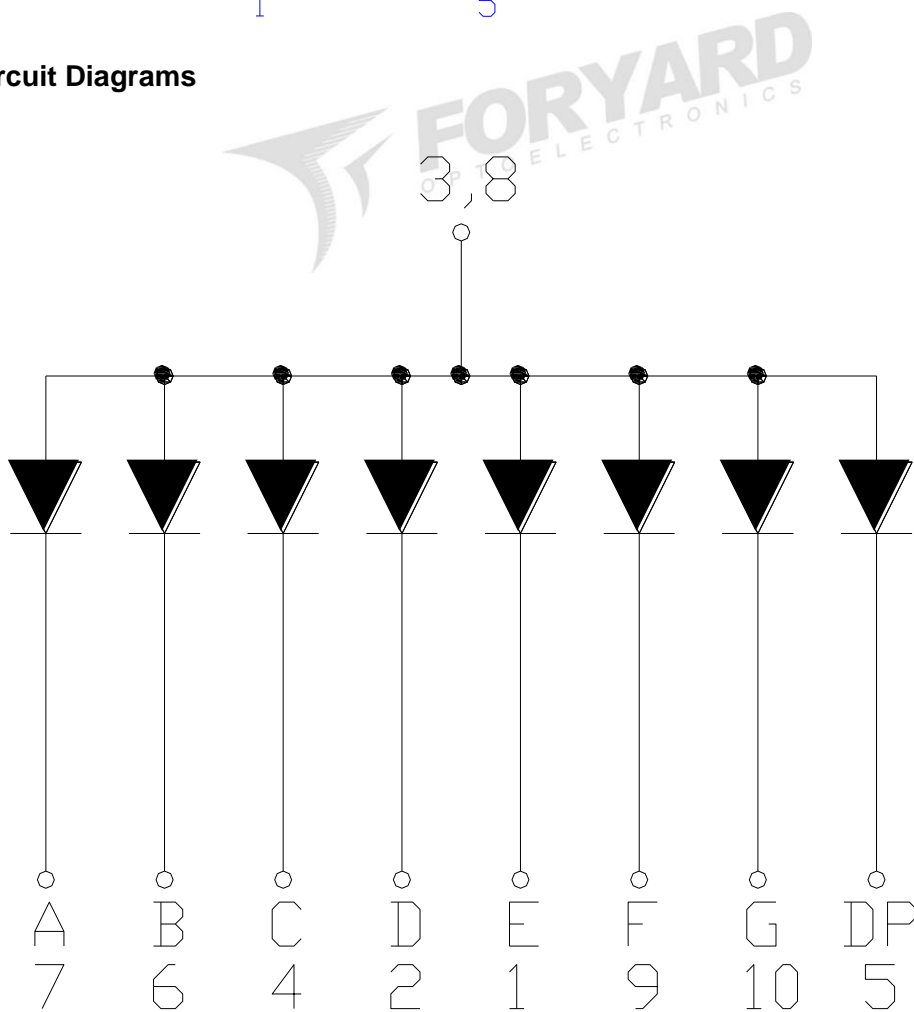
1. All dimensions are in millimeters (inches)
2. Dimension in millimeter [inch], tolerance is ± 0.25 [0.010] and angle is $\pm 1^\circ$ unless otherwise noted.
3. Bending \leq Length*1%.
4. The specifications, characteristics and technical data described in the datasheet are subject to change without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

Model No.: FYLS-4011BUW-21

■ All Light On Segments Feature & Pad Position



■ Internal Circuit Diagrams



Model No.: FYLS-4011BUW-21

■ 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(λ_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=0.27,Y=0.25	CCT:15000K	2.6	3.6	180-200
Segment-to-Segment Luminous Intensity ratio(Iv-M)					1.5:1		

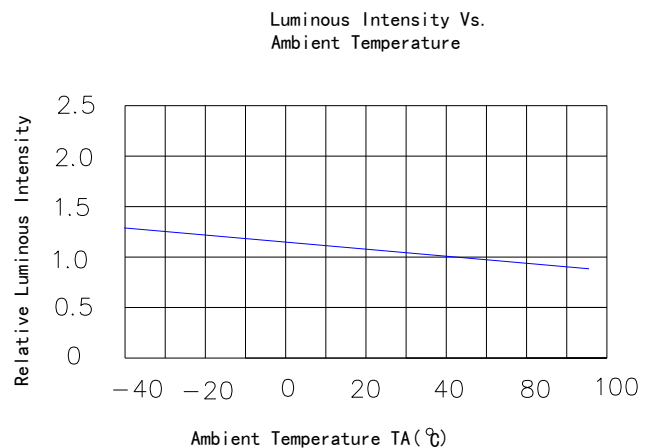
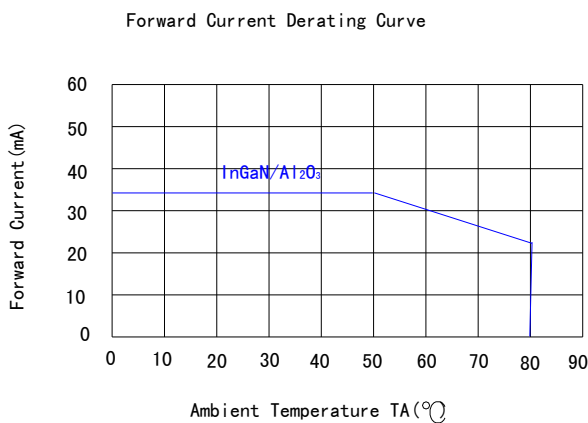
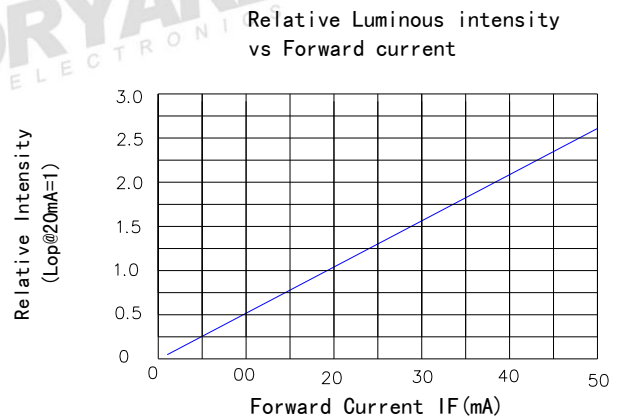
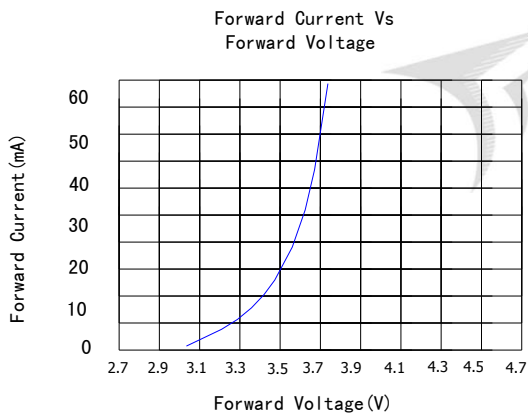
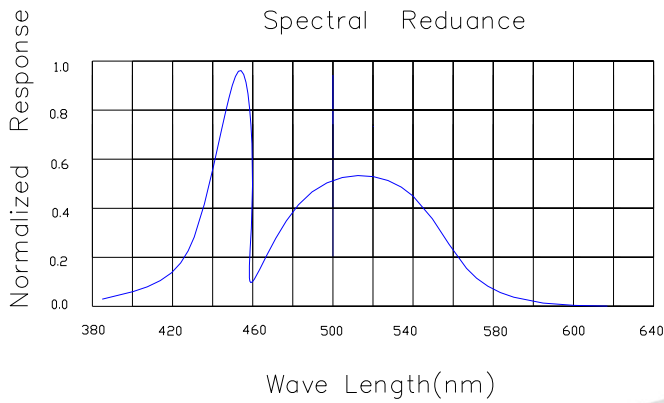
Note:

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

Model No.: FYLS-4011BUW-21

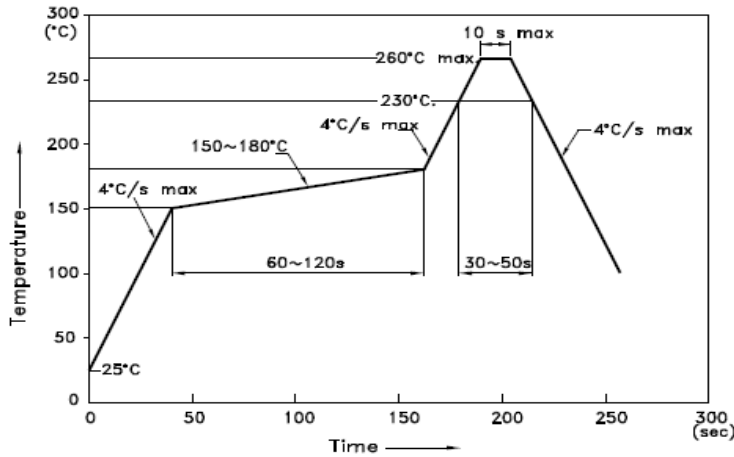
Typical Electrical / Optical Characteristics Curves

(Ta = 25°C Unless Otherwise Noted)



Model No.: FYLS-4011BUW-21

■-IR Reflow Temperature / Time :

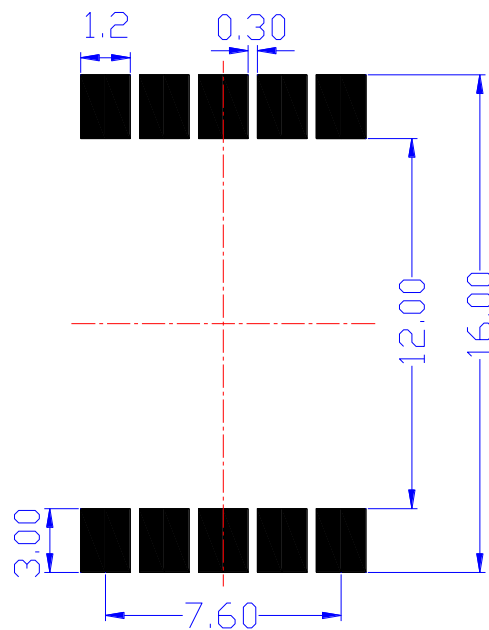


NOTES:

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.

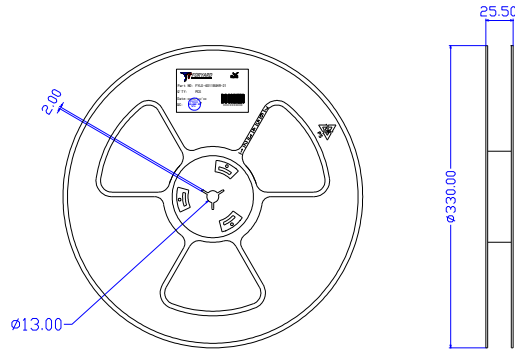


■ Soldering Pad Size

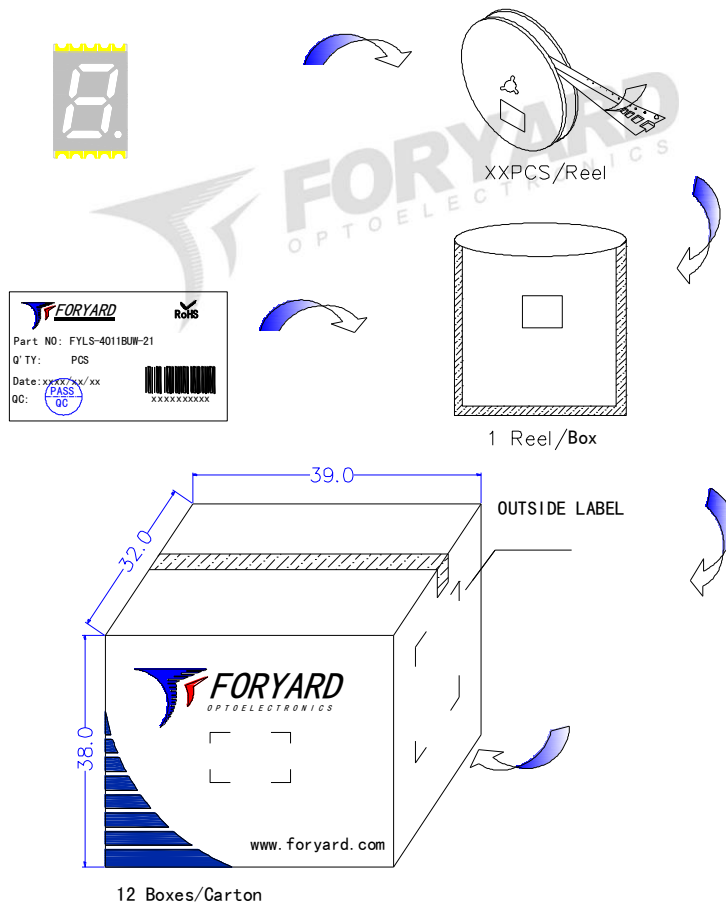


Model No.: FYLS-4011BUW-21

■ Reel Dimensions



■ Packing & Labe Specifications



OUTSIDE LABEL

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

