

# PRODUCT SPECIFICATION

**Model No.: FYS-2811A/BX-X5**

## Descriptions & Features:

- 0.28 Inch (7.00mm) digit height Single Digit Display
- Case mold type.
- RoHS compliant.
- Low current operation
- Low power consumption.
- Easy mounting on P.C. board or socket.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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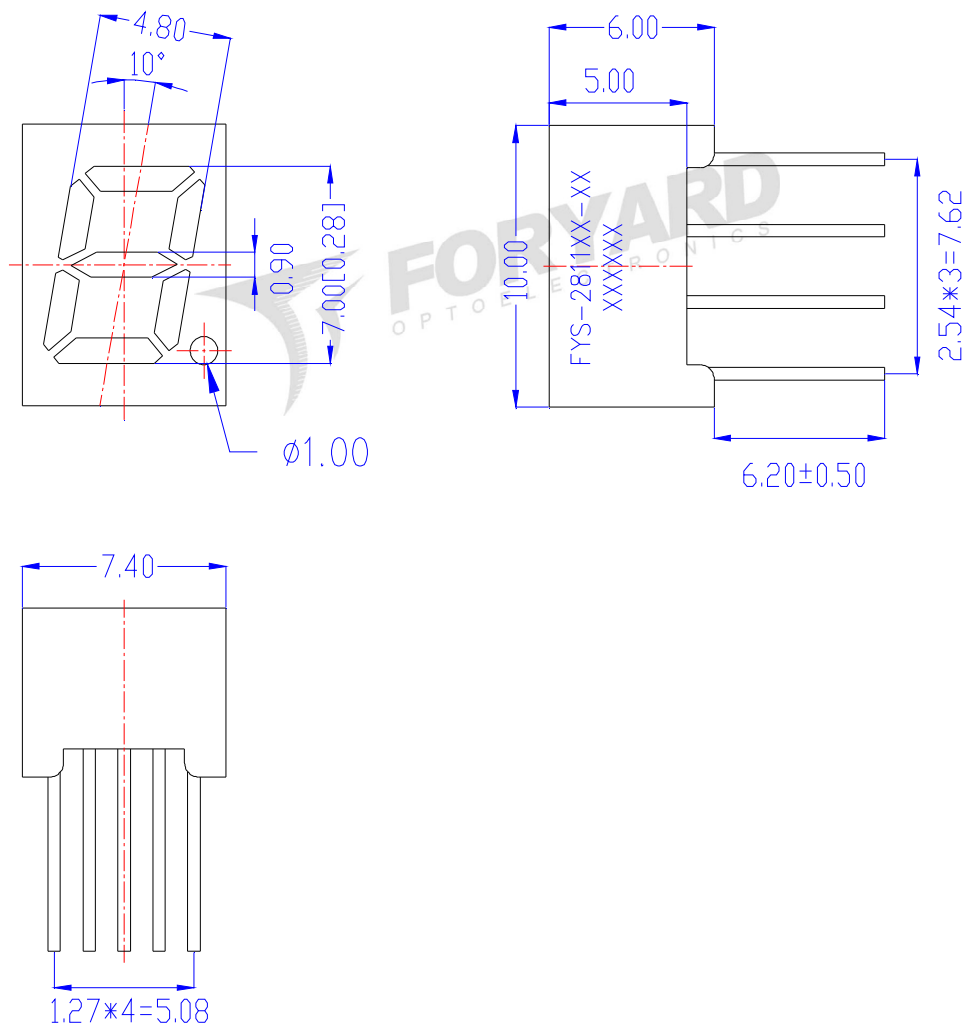
[Http://www.foryard.com](http://www.foryard.com)

Model No.: FYS-2811A/BX-X5

■ -XX: REF Surface / Epoxy color

Color \ Number	0	1	2	3	4	5
REF Surface Color	○ White	○ Black	○ Gray	○ Red	○ Green	—
Epoxy Color	—	—	—	—	—	○ YAG

■ Mechanical Dimensions

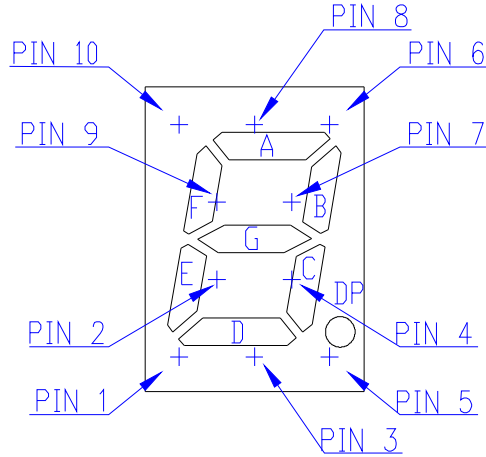


Notes:

1. All pins are  $\Phi 0.45 [0.019]$  mm
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.

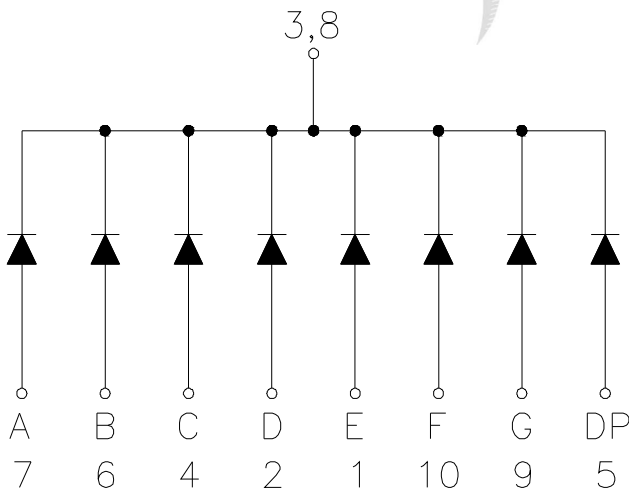
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**■ All Light On Segments Feature & Pin Position**



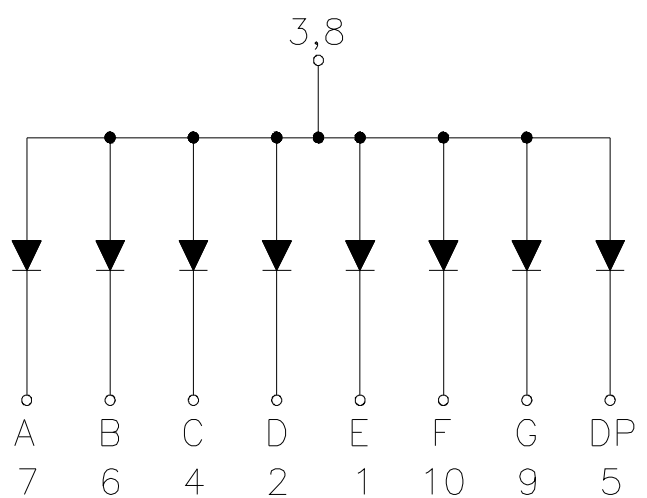
**■ Internal Circuit Diagrams**

FYS-2811AX



Common Cathode

FYS-2811BX



Common Anode

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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)

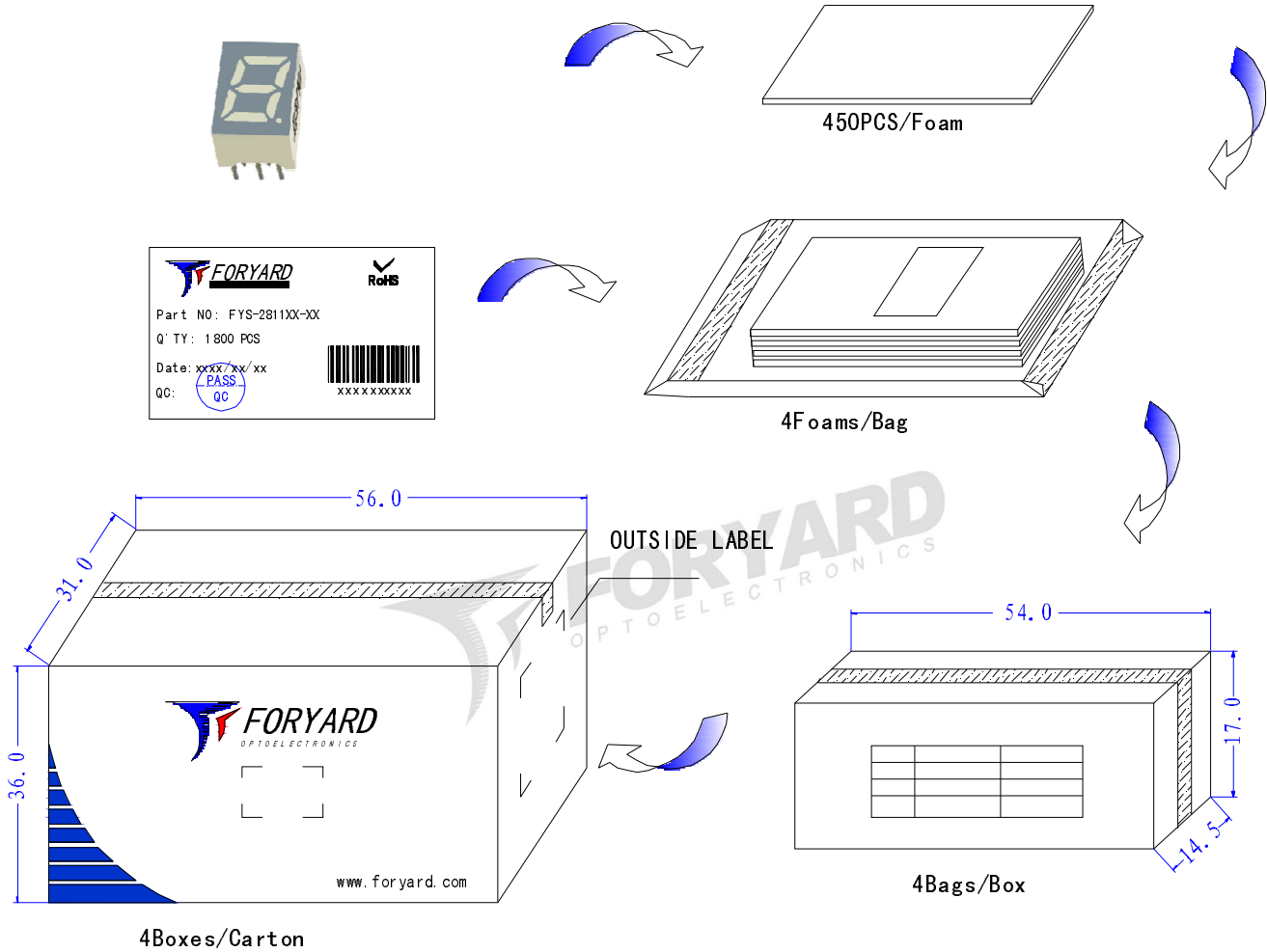
Emitting Color	Dice Material	Peak Wave Length( $\lambda_p$ )	Spectral Line halfwidth( $\Delta\lambda/2$ )	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd	
				Typ	Max		
<b>Standard brightness</b>							
W	White	InGaN	X=0.29,Y=0.30	CCT:9500K	2.80	3.80	20~30
<b>Ultra brightness</b>							
UW	Ultra White	InGaN	X=0.29,Y=0.30	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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**■ Packing Diagram**




**FORYARD OPTOELECTRONICS**

**LED**

PN: FYS-2811XX-XX

Qty: 28800 PCS

Date: xxxx/xx/xx

QC: **PASS**  
**QC**

GW: 23.40KG

NW: 26.00KG

**RoHS** **ATTENTION**

XXXXXXXXXX

OUTSIDE LABEL

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