

Model No.	FYD-8021A/BX-XX
Rev.	А

PRODUCT SPECIFICATION

Model No.: FYD-8021A/BX-XX

Descriptions & Features:

- ■0.80Inch (20.30mm) digit height Double Digits Display
- Case mold type.
- ■RoHS compliant.
- Low current operation
- Low power consumption.
- ■Easy mounting on P.C. board or socket.









Zip:315051

CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD

Add:NO.115 Qixin Road Ningbo Zhejiang China

Tel: 0086-574-87933652 87927870 87922206

Fax: 0086-574-87927917

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

Http://www.foryard.com

Http://www.foryard.com

Page: 1/5

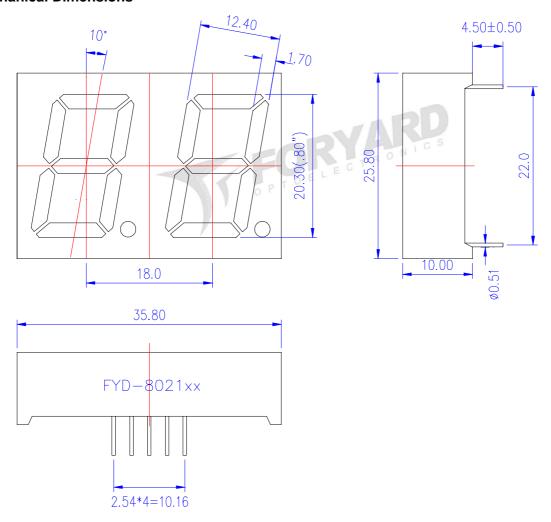


Model No.	FYD-8021A/BX-XX
Rev.	А

■ -XX: REF Surface / Epoxy color

Color Number	0	1	2	3	4
REF Surface Color	○ White	O Black	○ Gray	○ Red	○ Green
Epoxy Color	O Water Clear	O White	○ Red	O Green	○ Yellow

■ Mechanical Dimensions



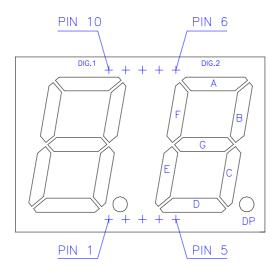
Notes:

- 1. All pins are Φ0.51[.020]mm
- 2. Dimension in millimeter [inch], tolerance is ± 0.25 [.010] and angle is $\pm 1^{\circ}$ unless otherwise noted.
- 3. Bending≤Length*1%.
- 4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



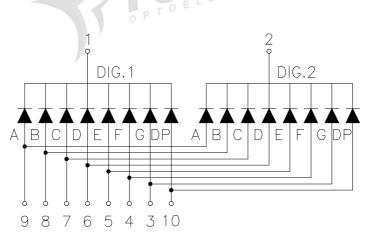
Model No.	FYD-8021A/BX-XX
Rev.	А

■ All Light On Segments Feature & Pin Position

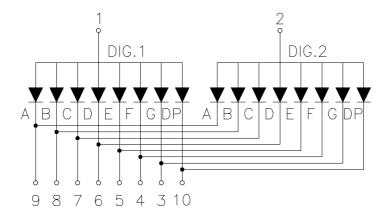


■ Internal Circuit Diagrams

FYD-8021Ax



FYD-8021Bx





Model No.	FYD-8021A/BX-XX
Rev.	А

■ Absolute maximum ratings

(Ta=25℃)

Parameter	Symbol	Test Condition	Value		Unit
Faranietei	Syllibol	rest condition	Min	Max	Offic
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	$^{\circ}$ C
Storage Temperature	Tstr	_	-40	+85	${\mathbb C}$

■ Electrical-Optical Characteristics

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

(Ta=25℃)

E	Emitting Color	Dice Material	Peak Wave Length(λ _P)	Spectral Line halfwidth(Δ		ward /F) Unit:V	Luminous Intensity (Iv)
				λ1/2)	Тур	Max	Unit:mcd
Stand	dard brightness						
	Red	GaP	700nm	90nm	2.00	2.50	1
S	Hi Red	AlGaAs/SH	660nm	20nm	1.80	2.50	15~20
D	Super Red	AlGaAs/DH	650nm	20nm	1.90	2.50	26~38
Е	Orange	GaAsP	625nm	35nm	1.90	2.50	14~20
Α	Amber	GaAsP	610nm	35nm	1.90	2.50	13~18
Υ	Yellow	GaAsP	590nm	35nm	1.90	2.50	13~18
G	Green	GaP	570nm	10nm	1.90	2.50	14~18
			430nm		3.40	4.40	0.7~1(mw)
В	Blue	InGaN	460nm	60nm	2.80	3.80	6~12(mw)
			470nm		2.80	3.80	6~12(mw)
PG	Pure Green	InGaN	520nm	36nm	2.80	3.80	4~6(mw)
W	White	InGaN	X=0.29,Y=0.30	CCT:9500K	2.80	3.80	20-30
Ultra	brightness						
UHR	Ultra Hi Red	AlGalnP	640nm	20nm	1.90	2.50	30~60
UR	Ultra Red	AlGalnP	635nm	20nm	1.90	2.50	60~100
UE	Ultra Orange	AlGalnP	625nm	20nm	1.90	2.50	60~120
UA	Ultra Amber	AlGalnP	610nm	20nm	1.90	2.50	40~100~150
UY	Ultra Yellow	AlGaInP	590nm	20nm	1.90	2.50	50~140~190
UG	Ultra Green	AlGalnP	570nm	30nm	1.90	2.50	30~60~80
PG	Ultra Pure Green	InGaN	520nm	36nm	2.80	3.80	260~310
BG	Ultra Bluish Green	InGaN	505nm	36nm	2.80	3.80	260~310
UB	Liltro Diuo	In CoN	460nm	30nm	2.80	3.80	80~90~120
I OB	Ultra Blue	InGaN	470nm	30nm	2.80	3.80	80~90~120
UW	Ultra White	InGaN	X=0.29,Y=0.30	CCT:9500K	2.80	3.80	180~200
Segm	Segment-to-Segment Luminous Intensity ratio(Iv-M) 1.5:1						

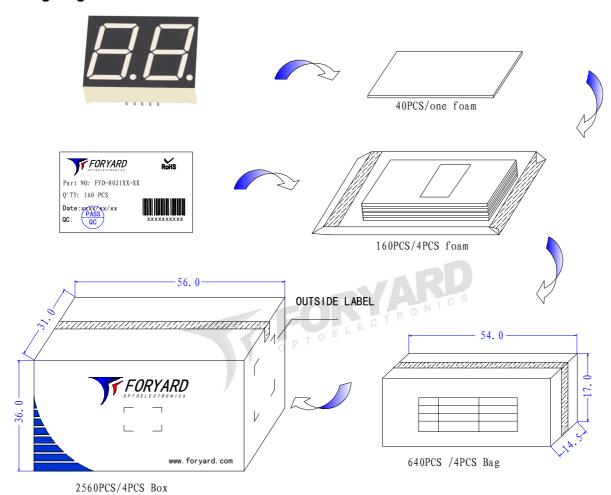
Note:

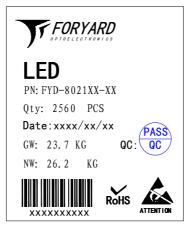
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN



Model No.	FYD-8021A/BX-XX
Rev.	А

■ Packing Diagram





OUTSIDE LABEL

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

Http://www.foryard.com