PRODUCT SPECIFICATION

Model No.: FYA-R102510AZXXX-XX

Descriptions & Features:
■Bargraph 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

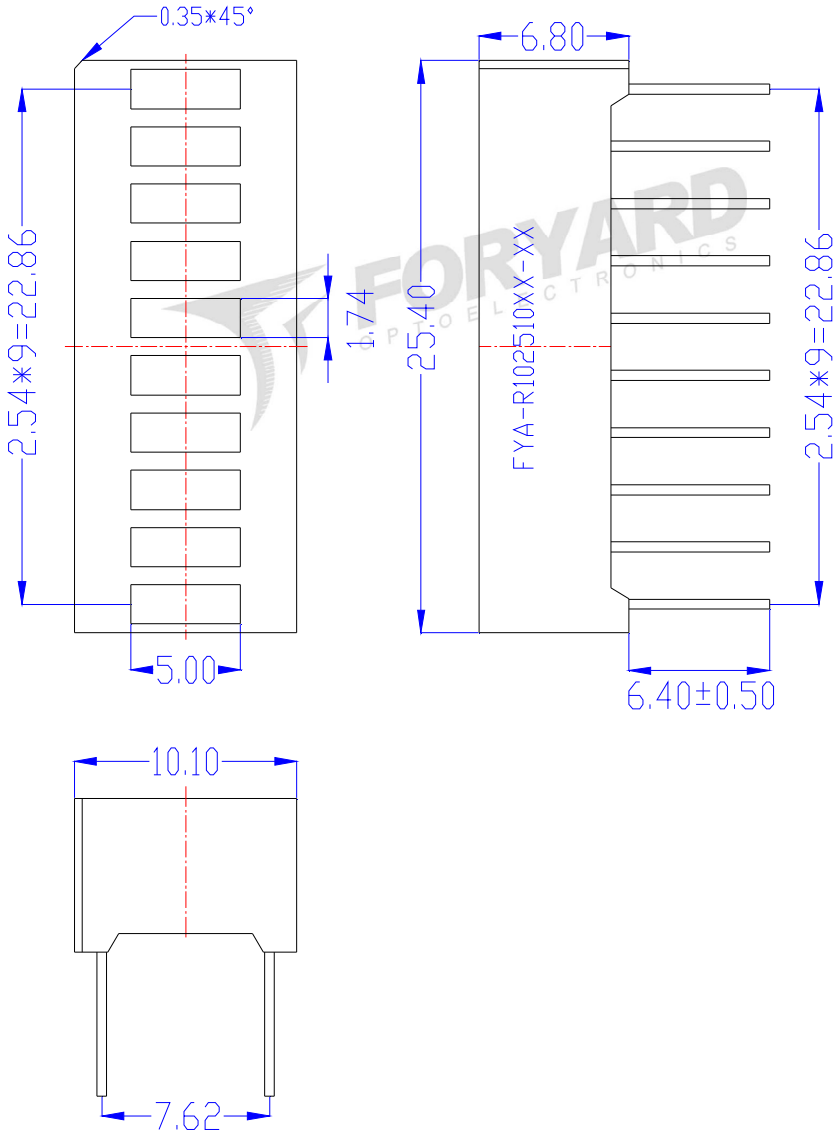
NINGBO FORYARD OPTOELECTRONICS CO.,LTD
Add:NO.115 Qixin Road Ningbo Zhejiang China **Zip:**315051
Tel: 0086-574-87933652 87927870 87922206
Fax: 0086-574-87927917
E-mail: Sales@foryard.com (General)
Http://www.foryard.com

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■ -XX: REF Surface / Epoxy color

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

■ Mechanical Dimensions

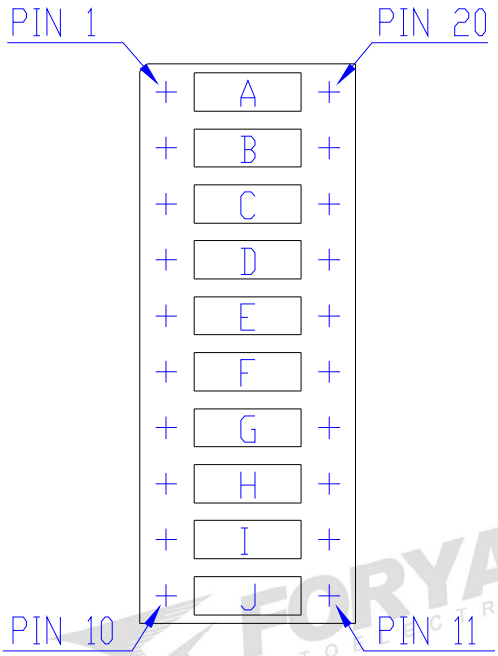


Notes:

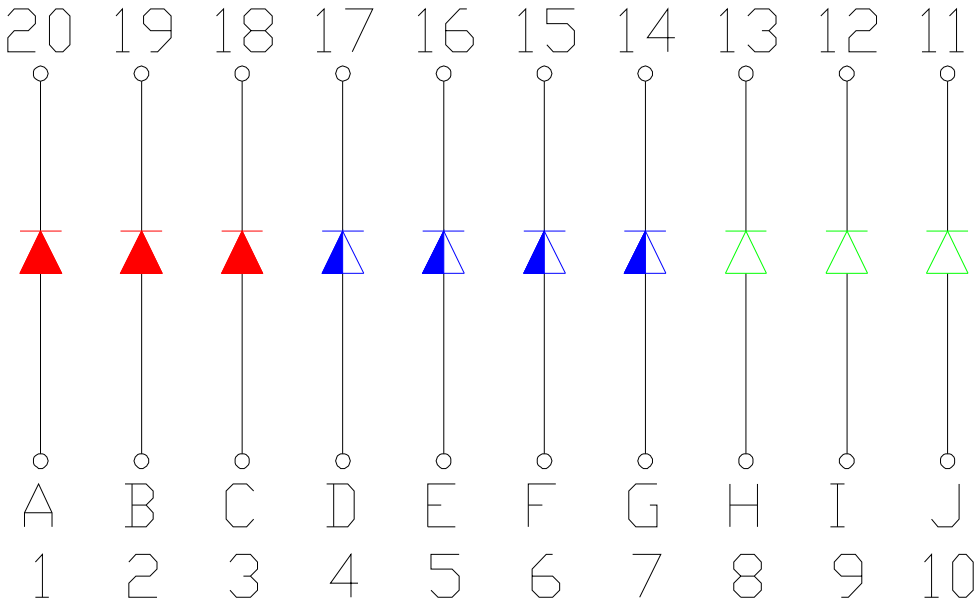
1. All pins are Φ0.45[.019]mm
2. Dimension in millimeter [inch], tolerance is ±0.25 [.010] and angle is ±1° unless otherwise noted.
3. Bending≤Length*1%.
4. The specifications,characteristics and technical data described in the datasheet are subject to change without prior notice.

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■ All Light On Segments Feature & Pin 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=20mA) (Ta=25℃)

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	
Standard brightness							
S	Hi Red	AlGaAs/SH	660nm	20nm	1.80	2.50	15~20
G	Green	GaP	570nm	10nm	1.90	2.50	14~18
B	Blue	InGaN	460nm	60nm	2.80	3.80	6~12(mw)
Ultra brightness							
UHR	Ultra Hi Red	AlGaInP	640nm	20nm	1.90	2.50	30~60
UG	Ultra Green	AlGaInP	570nm	30nm	1.90	2.50	30~60~80
UB	Ultra Blue	InGaN	460nm	30nm	2.80	3.80	80~90~120
Segment-to-Segment Luminous Intensity ratio(Iv-M)			1.5:1				

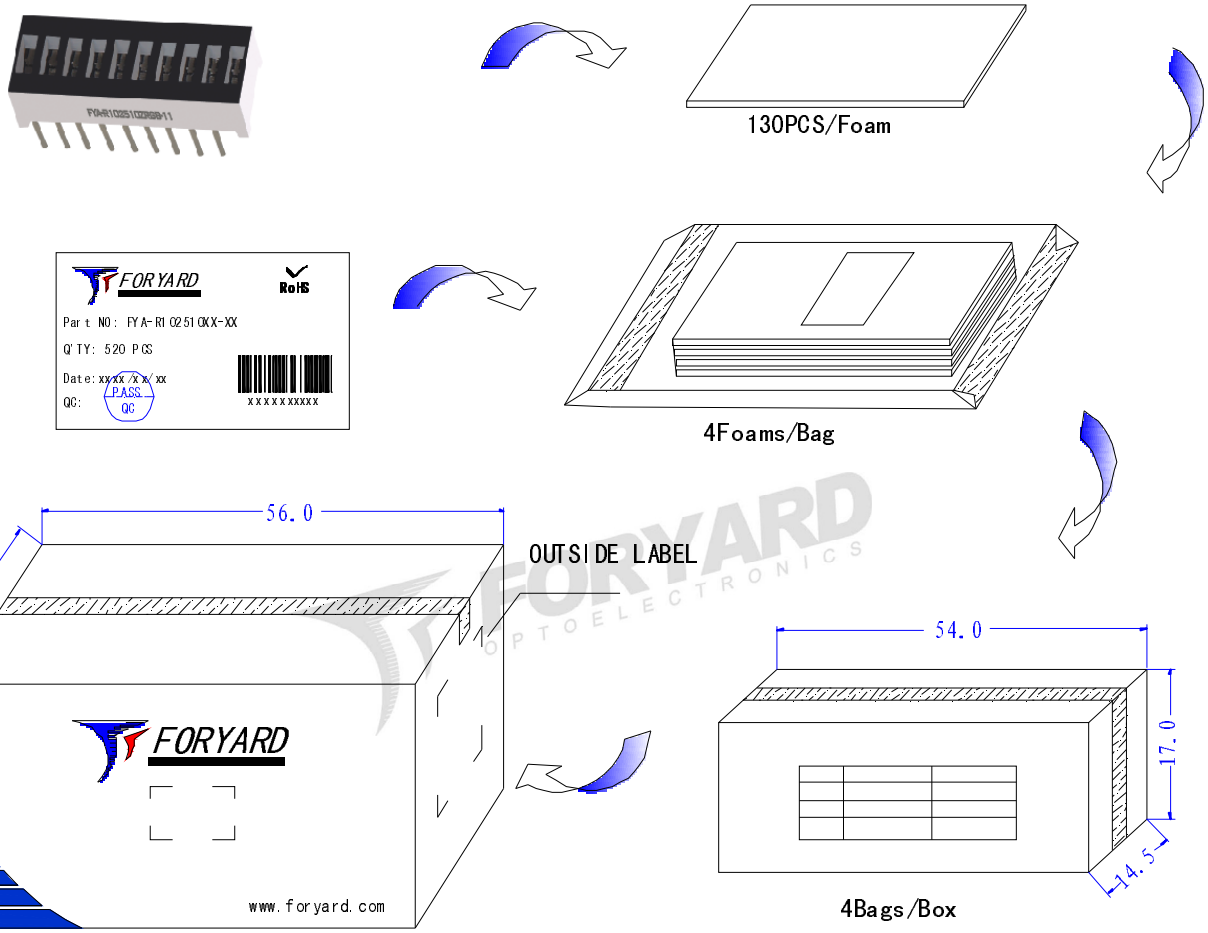
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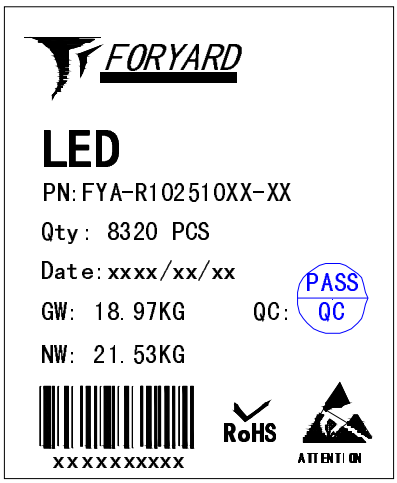
1.Luminous Intensity is based on the Foryard standards.

2.Pay attention about static for InGaN

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■ Packing Diagram





OUTSIDE LABEL

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