

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

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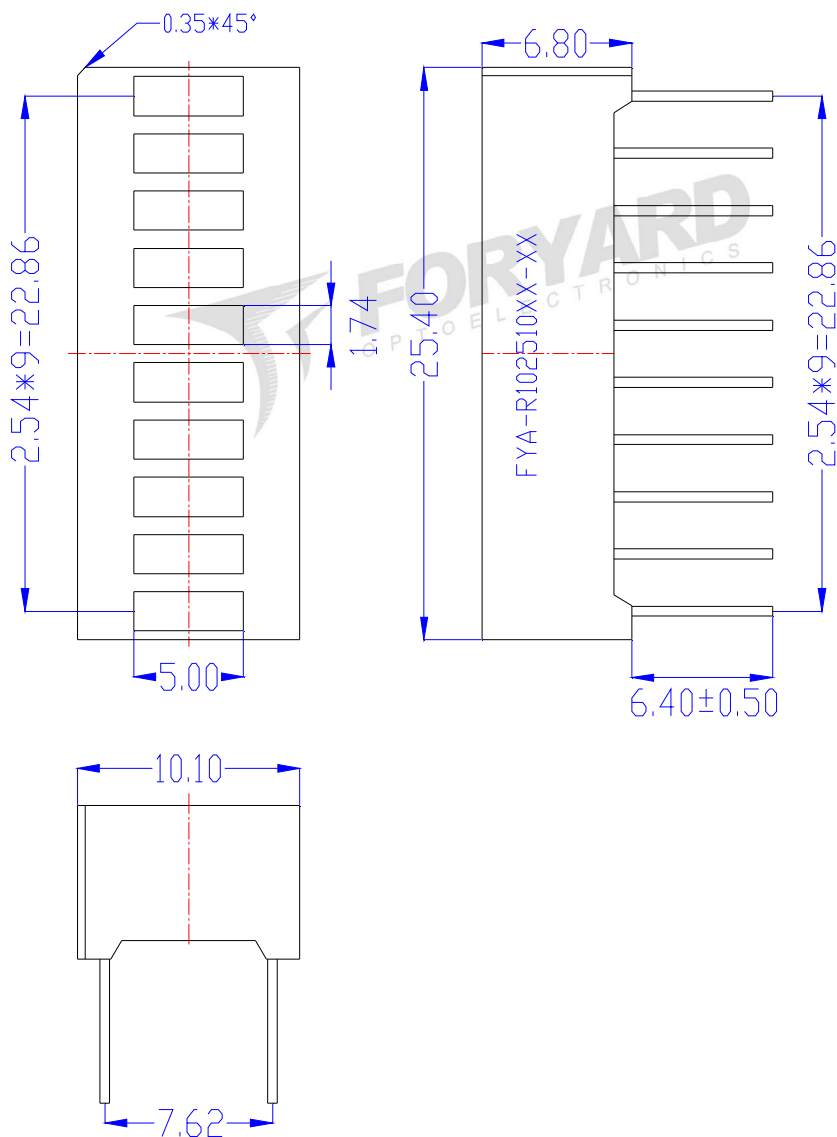
[Http://www.foryard.com](http://www.foryard.com)

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■ -XX: REF Surface / Epoxy color

Color \ Number	0	1	2	3	4
REF Surface Color	<input type="radio"/> White	<input type="radio"/> Black	<input type="radio"/> Gray	<input type="radio"/> Red	<input type="radio"/> Green
Epoxy Color	<input type="radio"/> Water Clear	<input type="radio"/> White	<input type="radio"/> Red	<input type="radio"/> Green	<input type="radio"/> Yellow

■ Mechanical Dimensions

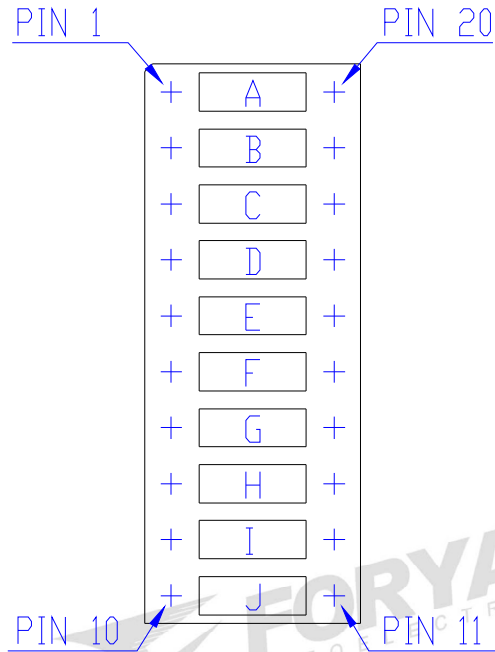


Notes:

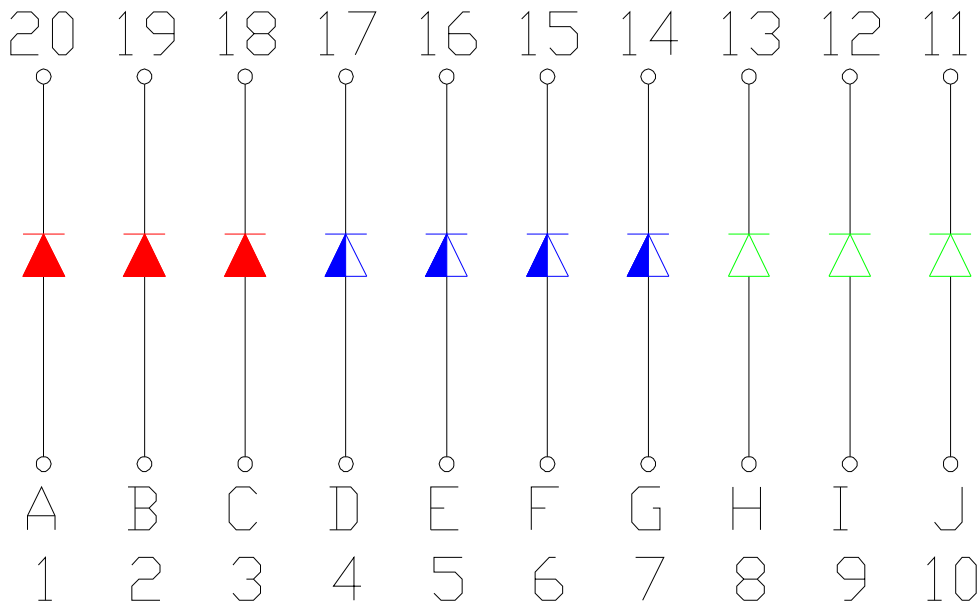
1. All pins are $\Phi 0.45 [0.019]$ mm
2. Dimension in millimeter [inch], tolerance is $\pm 0.25 [0.010]$ and angle is $\pm 1^\circ$ unless otherwise noted.
3. Bending \leq Length * 1%.
4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.




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■ All Light On Segments Feature & Pin Position



■ Internal Circuit Diagrams



 = Red
  = Blue
  = Green

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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)

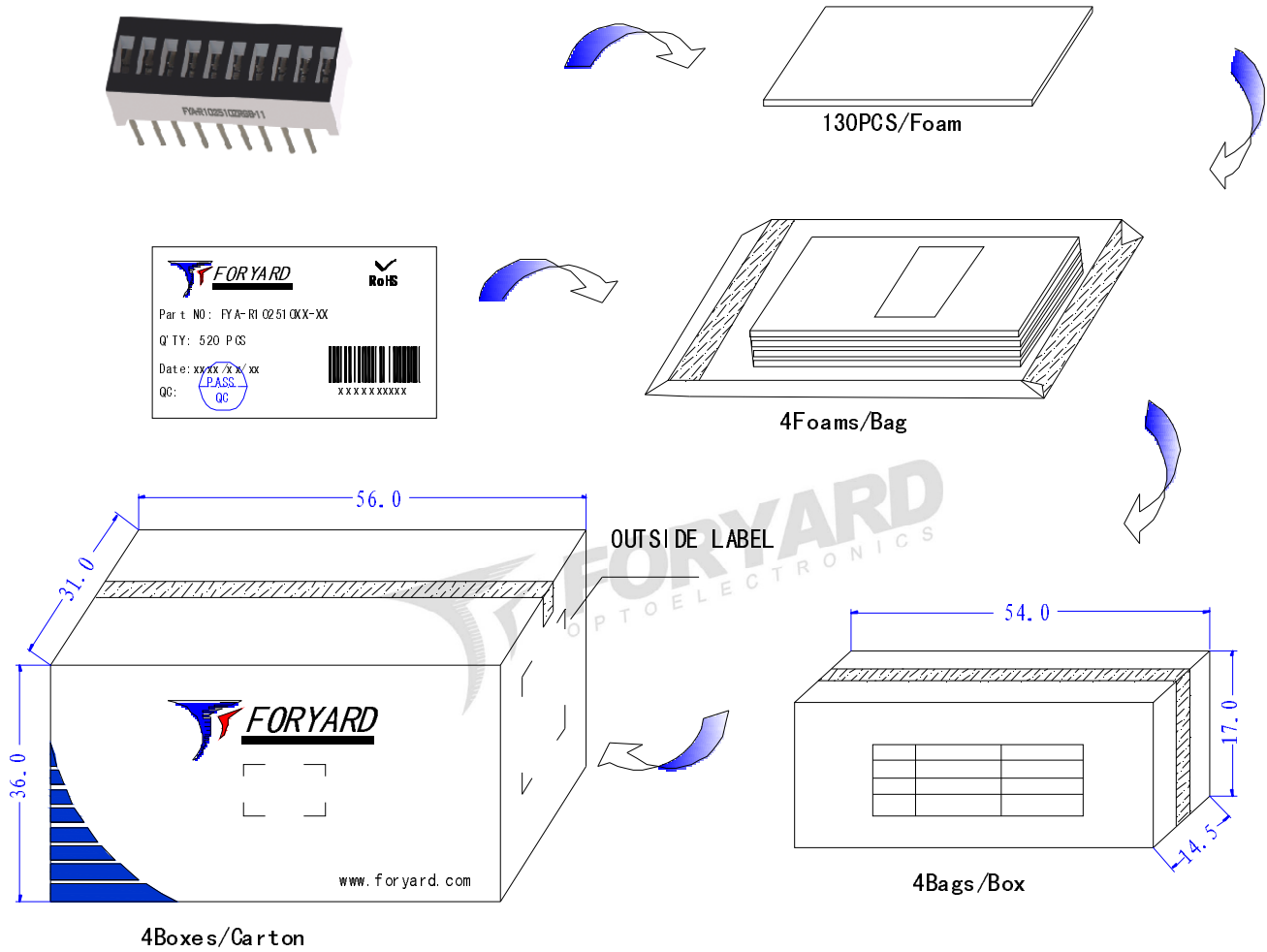

Emitting Color	Dice Material	Peak Wave Length(λ_p)	Spectral Line halfwidth($\Delta\lambda_{1/2}$)	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd	
				Typ	Max		
Standard brightness							
S	Hi Red	AlGaAs/SH	660nm	20nm	1.80	2.50	15~20
G	Green	GaP	570nm	10nm	1.90	2.50	14~18
B	Blue	InGaN	460nm	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			

Note:

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

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■ Packing Diagram

FORYARD

LED


PN: FYA-R102510XX-XX

Qty: 8320 PCS

Date: xxxx/xx/xx

GW: 18.97KG QC: **PASS**
QC

NW: 21.53KG


XXXXXXXXXX

RoHS **ATTENTION**

OUTSIDE LABEL

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