



**50.8mm X 10.2mm 20 Segment Single Color Light Bar**

**Features:**

- \*High segment intensity
- \*Wide viewing angle
- \*Range of colors
- \*Black face White segment
- \*RoHS compliant

**Available option:**

- \*Alternative face and segment color
- \*Cropped terminal pins
- \*Available emitting color
- \*Low current version

**Electro/Optical Characteristics If=20mA Ta=25°C**

Part Number	Emitting Color	Peak Wavelength	Forward Voltage V <sub>F</sub> /Seg.		Luminous Intensity I <sub>v</sub> /Seg.	
			Typ.	Max.	Min.	Typ.
NFA-R205010ZB-11	InGaN/SiC Blue	430	3.30	3.80	0.40	0.60
NFA-R205010ZUB-11	InGaN/SiC Ultra Blue	470	3.30	3.80	5.00	7.00
Units		nm	V		mW	

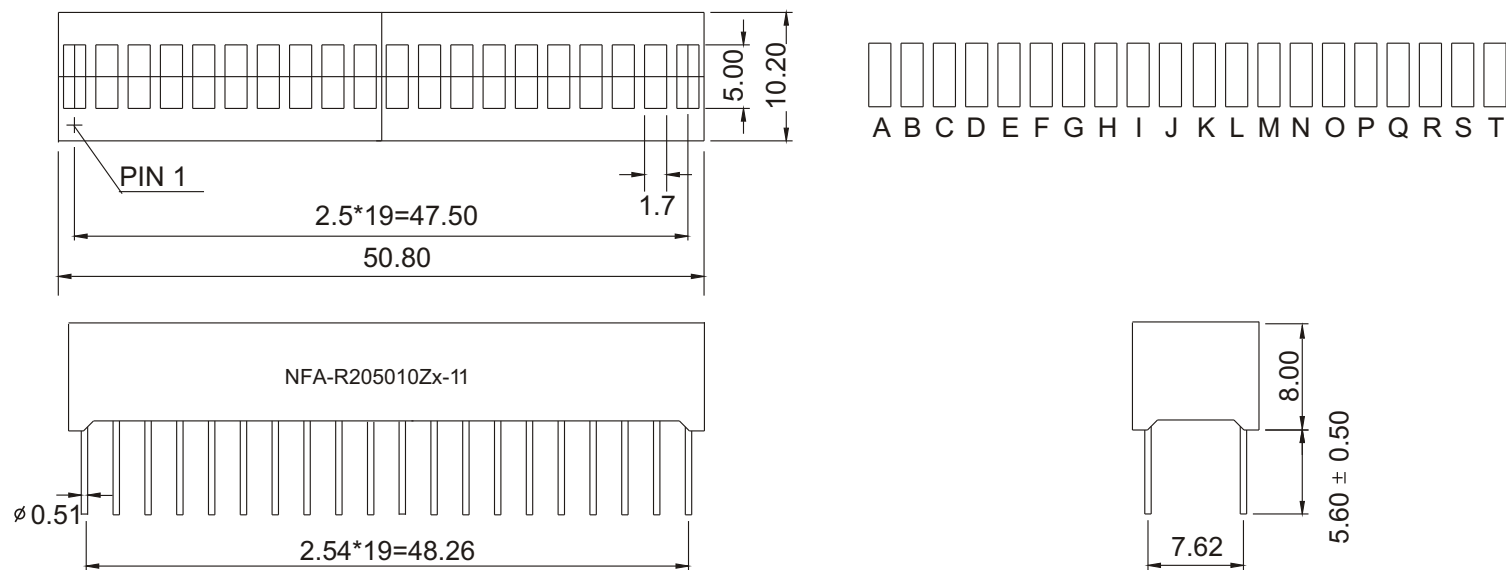
**Maximum Ratings Ta=25°C (Derate above 25°C)**

Characteristic	Test Condition	Symbol	B	UB				Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100	100				mA
DC Forward Current Per Seg.		I <sub>F</sub>	30	30				mA
Reverse Current Per Seg.	V <sub>R</sub> =5V	I <sub>R</sub>	10	10				μA
Power Dissipation		P <sub>D</sub>	110*20	110*20				mW
Operating Temperature		T <sub>OPR</sub>					-40 to +80	°C
Storage Temperature		T <sub>TSG</sub>					-40 to +85	°C
Lead soldering temperature	1.60mm from body maximum 3 seconds						260	°C



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#### PACKAGE DIMENSION



Tolerance  $\pm 0.25\text{mm}$  unless stated

#### INTERNAL CIRCUIT DIAGRAM

NFA-R205010Zx

