



### 32.00mm X 22.00mm Single Color Light Bar

#### Features:

- \*High segment intensity
- \*Wide viewing angle
- \*Range of colours
- \*White face White segment
- \*Rohs compliant

#### Available option:

- \*Alternative face colour
- \*Cropped terminal pins
- \*Available emitting colour
- \*Low current version

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

Part Number	Emitting Colors	Peak Wavelength	Forward Voltage VF/Seg.		Luminous Intensity Iv	
			Typ.	Max.	Min.	Typ.
NFA-R3222ZH-01	GaP/GaP Red	700	9.00	10.00	3.20	6.40
NFA-R3222ZS-01	GaAlAs/GaAs SH Hi-Red	660	7.20	8.80	64.00	96.00
NFA-R3222ZD-01	GaAlAs/GaAs DH Super Red	660	7.20	8.80	176.00	224.00
NFA-R3222ZE-01	GaAsP/GaP Orange	632	8.40	10.00	64.00	96.00
NFA-R3222ZY-01	GaAsP/GaP Yellow	585	8.40	10.00	32.00	56.00
NFA-R3222ZG-01	GaP/GaP Green	568	8.80	10.00	56.00	88.00
Units		nm	V		mcd	

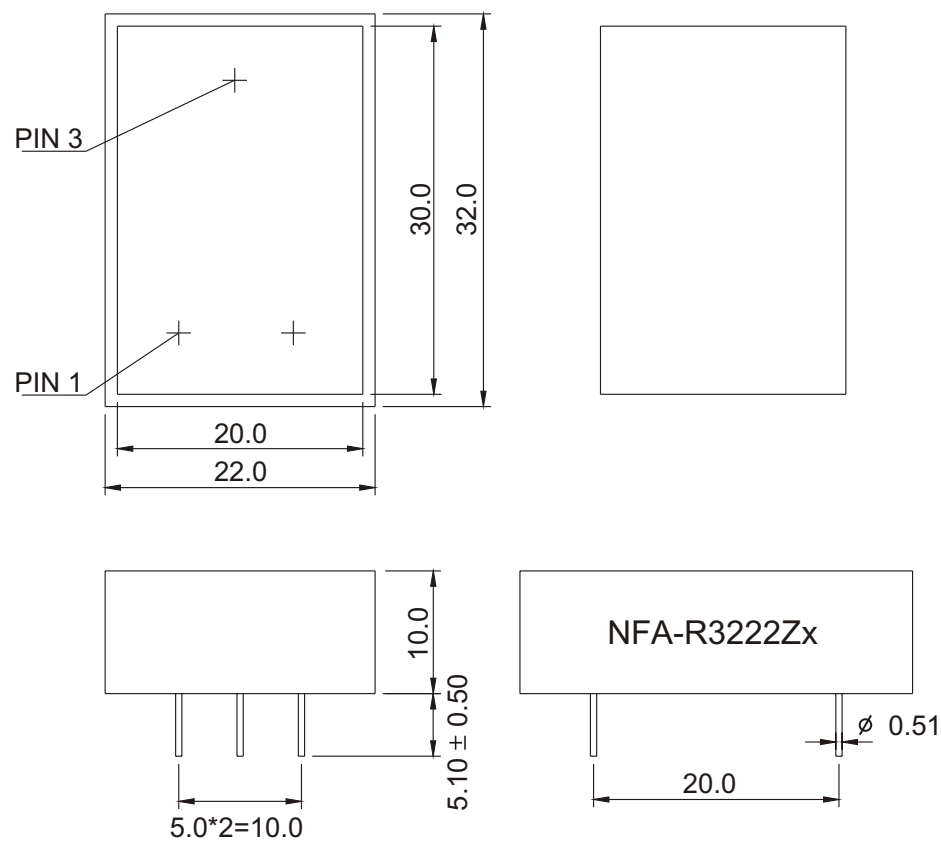
### Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	H	S	D	E	Y	G	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	50	100	100	100	100	100	mA
DC Forward Current Per Seg.		I <sub>F</sub>	15	25	25	30	30	30	mA
Reverse Current Per Seg.	V <sub>r</sub> =10V	I <sub>R</sub>	10	10	10	10	10	10	μA
Power Dissipature		P <sub>D</sub>	40*8	60*8	60*8	80*8	80*8	80*8	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



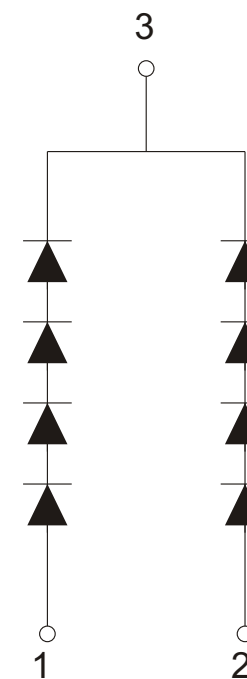
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### PACKAGE DIMENSION



### INTERNAL CIRCUIT DIAGRAM

#### NFA-R3222Zx



Tolerance  $\pm 0.25$ mm unless stated

Checked

Chen N.H.

Approved

Jason Chen

Date

2007/03/06

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