



宁波飞扬电子有限公司

Ningbo Flying Electronics Co.,Ltd.

30.00mm X 6.50mm Single Color Light Bar

Features:

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

Available option:

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

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

Part Number		Emitting Colors	Peak Wavelength	Forward Voltage V _F		Luminous Intensity I _v	
				Typ.	Max.	Min.	Typ.
NFA-R3006ZH-01		GaP/GaP Red	700	11.25	12.50	2.00	4.00
NFA-R3006ZS-01		GaAlAs/GaAs SH Hi-Red	660	9.00	11.00	40.00	60.00
NFA-R3006ZD-01		GaAlAs/GaAs DH Super Red	660	9.00	11.00	110.00	140.00
NFA-R3006ZE-01		GaAsP/GaP Orange	632	10.50	12.50	40.00	60.00
NFA-R3006ZY-01		GaAsP/GaP Yellow	585	10.50	12.50	20.00	35.00
NFA-R3006ZG-01		GaP/GaP Green	568	11.00	12.50	35.00	55.00
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 _{FP}	50	100	100	100	100	100	mA
DC Forward Current Per Seg.		I _F	15	25	25	30	30	30	mA
Reverse Current Per Seg.	V _R =10V	I _R	10	10	10	10	10	10	μA
Power Dissipation		P _D	40*5	60*5	60*5	80*5	80*5	80*5	mW
Operating Temperature		T _{OPR}	-40 to +80						°C
Storage Temperature		T _{TSG}	-40 to +85						°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260						°C

Checked

Chen N.H.

Approved

Jason Chen

Date

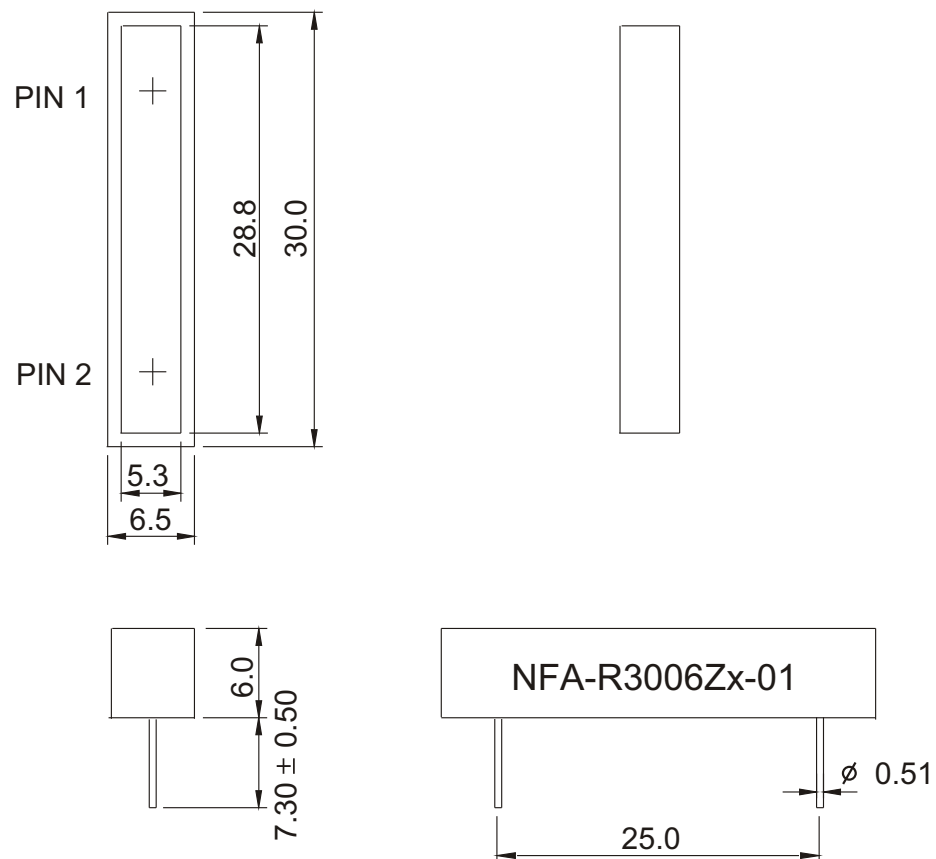
Mar/06/2007

PAGE 1 / 2



30.00mm X 6.50mm Single Color Light Bar

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

NFA-R3006Zx



Tolerance ± 0.25 mm unless stated

Checked

Chen N.H.

Approved

Jason Chen

Date

Mar/06/2007

PAGE 2 /2