



30.00mm X 6.50mm Single Color Light Bar

Features:

- *Ultra segment intensity
- *Wide viewing angle
- *Range of colors
- *White 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 _F		Luminous Intensity I _v	
			Typ.	Max.	Min.	Typ.
NFA-R3006ZUHR-01	AlGaInP/GaAs Ultra Red	640	10.00	12.50	200.00	300.00
NFA-R3006ZUE-01	AlGaInP/GaAs Ultra Orange	632	10.00	12.50	200.00	300.00
NFA-R3006ZYO-01	AlGaInP/GaAs Ultra Amber	605	10.00	12.50	200.00	300.00
NFA-R3006ZUY-01	AlGaInP/GaAs Ultra Yellow	590	10.00	12.50	200.00	300.00
NFA-R3006ZUG-01	AlGaInP/GaAs Ultra Green	574	10.50	12.50	125.00	200.00
NFA-R3006ZPG-01	InGaN/SiC Pure Green	525	16.50	19.00	750.00	1000.00
NFA-R3006ZUB-01	InGaN/SiC Ultra Blue	470	16.50	19.00	200.00	500.00
NFA-R3006ZUW-01	InGaN/SiC Ultra White	X-0.31/Y-0.31	16.50	19.00	1000.00	2500.00
Units		nm	V		mcd	

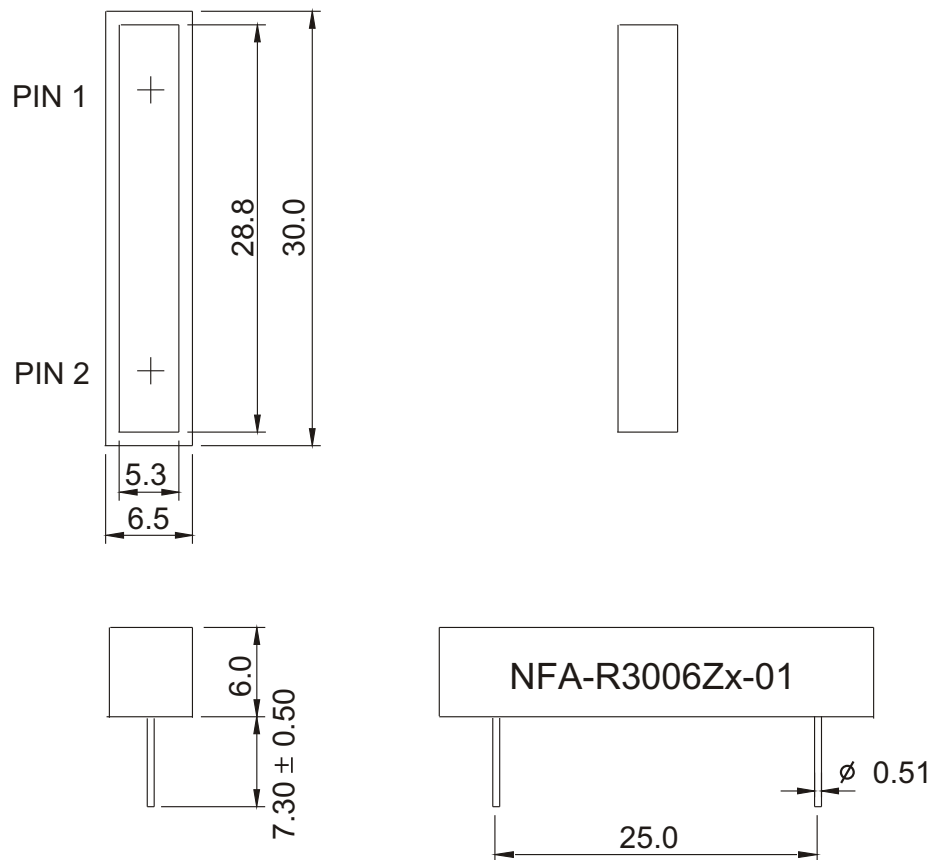
Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UHR	UE	YO	UY	UG	PG	UB	UW	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100	100	100	100	100	100	mA
DC Forward Current Per Seg.		I _F	30	30	30	30	30	30	30	30	mA
Reverse Current Per Seg.	V _R =10V	I _R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P _D	65*5	65*5	65*5	65*5	75*5	110*5	120*5	120*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



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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

NFA-R3006Zx



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

Checked

Chen N.H.

Approved

Jason Chen

Date

Oct/16/2007

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