



20.00mm X 28.00mm 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=20*3mA Ta=25°C

Part Number	Emitting Colors	Peak Wavelength	Forward Voltage V _F		Luminous Intensity I _v	
			Typ.	Max.	Min.	Typ.
NFA-R2028ZH-01	GaP/GaP Red	700	4.50	5.00	2.40	4.80
NFA-R2028ZS-01	GaAlAs/GaAs SH Hi-Red	660	3.60	4.40	48.0	72.0
NFA-R2028ZD-01	GaAlAs/GaAs DH Super Red	660	3.60	4.40	132.0	168.0
NFA-R2028ZE-01	GaAsP/GaP Orange	632	4.20	5.00	48.0	72.0
NFA-R2028ZY-01	GaAsP/GaP Yellow	585	4.20	5.00	24.0	42.0
NFA-R2028ZG-01	GaP/GaP Green	568	4.30	5.00	42.0	66.0
Units		nm	V		mcd	

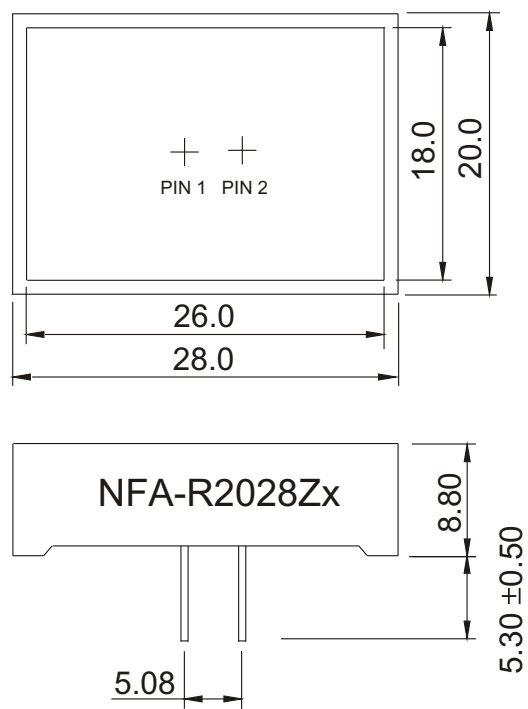
Maximum Ratings Ta=25°C (Derate above 25°C)

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*3	100*3	100*3	100*3	100*3	100*3	mA
DC Forward Current Per Seg.		I _F	15*3	25*3	25*3	30*3	30*3	30*3	mA
Reverse Current Per Seg.	V _R =10V	I _R	10	10	10	10	10	10	μA
Power Dissipation		P _D	40*6	60*6	60*6	80*6	80*6	80*6	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



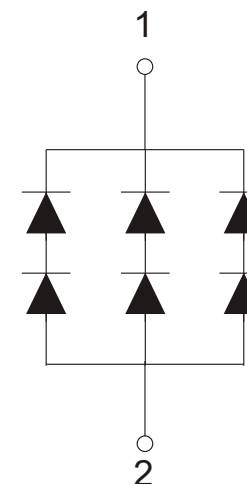
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

NFA-R2028Zx



Tolerance ±0.25mm unless stated

Checked

Chen N.H.

Approved

Jason Chen

Date

Apr/29/2010

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