



## 32.00mm X 32.00mm 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=20mA Ta=25°C

Part Number	Emitting Colors	Peak Wavelength	Forward Voltage V <sub>F</sub>		Luminous Intensity I <sub>v</sub>	
			Typ.	Max.	Min.	Typ.
NFA-S32ZH-A-01	GaP/GaP Red	700	27.0	30.0	4.80	9.60
NFA-S32ZS-A-01	GaAlAs/GaAs SH Hi-Red	660	21.6	26.4	96.00	144.00
NFA-S32ZD-A-01	GaAlAs/GaAs DH Super Red	660	21.6	26.4	264.00	336.00
NFA-S32ZE-A-01	GaAsP/GaP Orange	632	25.2	30.0	96.00	144.00
NFA-S32ZY-A-01	GaAsP/GaP Yellow	585	25.2	30.0	48.00	84.00
NFA-S32ZG-A-01	GaP/GaP Green	568	26.4	30.0	84.00	132.00
Units		nm	V		mcd	

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

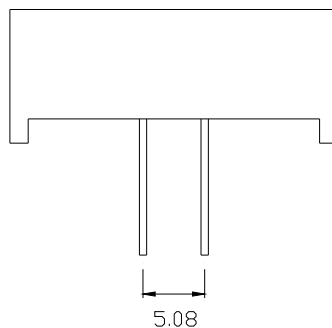
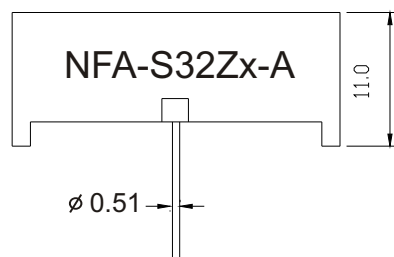
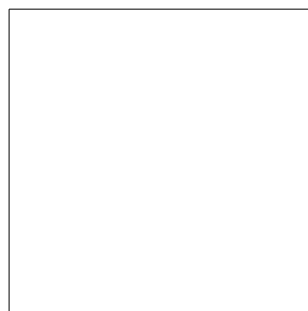
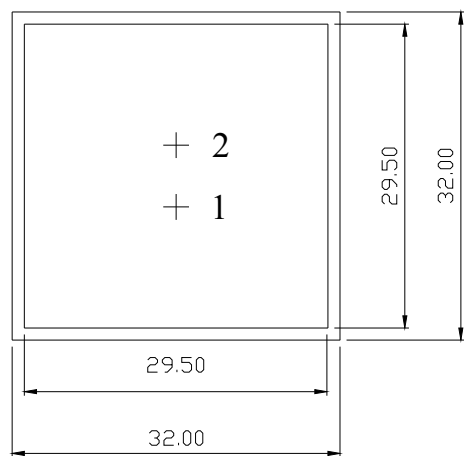
Characteristic	Test Condition	Symbol	H	S	D	E	Y	G	Units
Pulse Forward Current	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	50	100	100	100	100	100	mA
DC Forward Current		I <sub>F</sub>	15	25	25	30	30	30	mA
Reverse Current	V <sub>R</sub> =30V	I <sub>R</sub>	10	10	10	10	10	10	μA
Power Dissipation		P <sub>D</sub>	40*12	60*12	60*12	80*12	80*12	80*12	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

Checked	Chen N.H.	Approved	Jason Chen	Date	Sep/05/2006	PAGE 1 / 2			
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### 32.00mm X 32.00mm Single Color Light Bar

#### PACKAGE DIMENSION



#### INTERNAL CIRCUIT DIAGRAM

NFA-S32Zx-A



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

Checked

Chen N.H.

Approved

Jason Chen

Date

Sep/05/2006

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