



17mm Round Single Color Light Bar

Features:

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

Available option:

- *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-C17ZUE4-01	AlGaInP/GaAs Ultra Orange	632	8.00	10.00	160.00	240.00
NFA-C17ZS4-01	GaAlAs/GaAs SH Hi-Red	660	7.20	8.80	32.00	48.00
NFA-C17ZD4-01	GaAlAs/GaAs DH Super Red	660	7.20	8.80	88.00	112.00
NFA-C17ZE4-01	GaAsP/GaP Orange	632	8.40	10.00	32.00	48.00
NFA-C17ZY4-01	GaAsP/GaP Yellow	585	8.40	10.00	16.00	28.00
NFA-C17ZG4-01	GaP/GaP Green	568	8.80	10.00	28.00	44.00
Units		nm	V		mcd	

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

Characteristic	Test Condition	Symbol	UE	S	D	E	Y	G	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100	100	100	100	mA
DC Forward Current Per Seg.		I _F	30	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	65*4	60*4	60*4	80*4	80*4	80*4	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

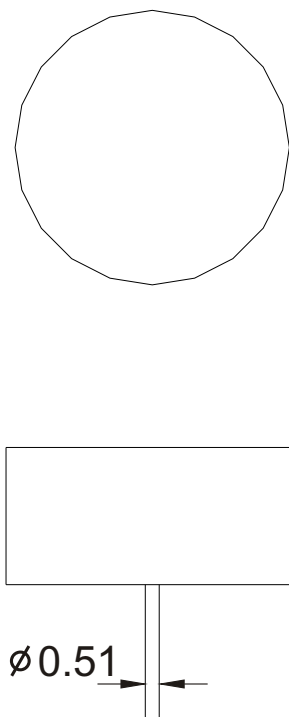
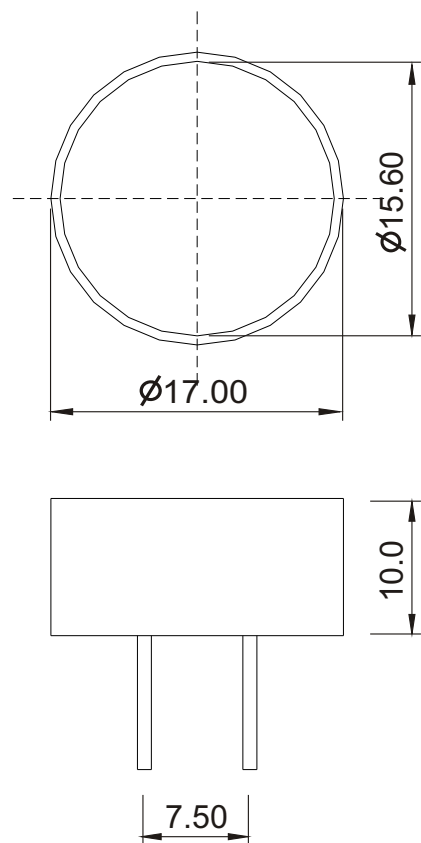
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

NFA-C17Zx4



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

Checked

Chen N.H.

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