



29.0mm X 42.0mm Special Design Arrow Led Displays

Features:

- *Ultra segment intensity
- *Wide viewing angle
- *Range of colors
- *Gray 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 /Seg.		Luminous Intensity I _v /Seg.	
				Typ.	Max.	Min.	Typ.
NFA-T052942ZUHR-21		AlGaInP/GaAs Ultra Red	640	4.00	5.00	80.00	100.00
NFA-T052942ZUE-21		AlGaInP/GaAs Ultra Orange	632	4.00	5.00	80.00	120.00
NFA-T052942ZYO-21		AlGaInP/GaAs Ultra Amber	605	4.00	5.00	80.00	120.00
NFA-T052942ZUY-21		AlGaInP/GaAs Ultra Yellow	590	4.00	5.00	80.00	120.00
NFA-T052942ZUG-21		AlGaInP/GaAs Ultra Green	574	4.20	5.00	50.00	80.00
NFA-T052942ZPG-21		InGaN/SiC Pure Green	525	6.60	7.60	300.00	400.00
NFA-T052942ZUB-21		InGaN/SiC Ultra Blue	470	6.60	7.60	80.00	200.00
NFA-T052942ZUW-21		InGaN/SiC Ultra White	X-0.31/Y-0.31	6.60	7.60	400.00	1000.00
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 =5V	I _R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P _D	60*12	65*12	65*12	65*12	75*12	110*12	120*12	120*12	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

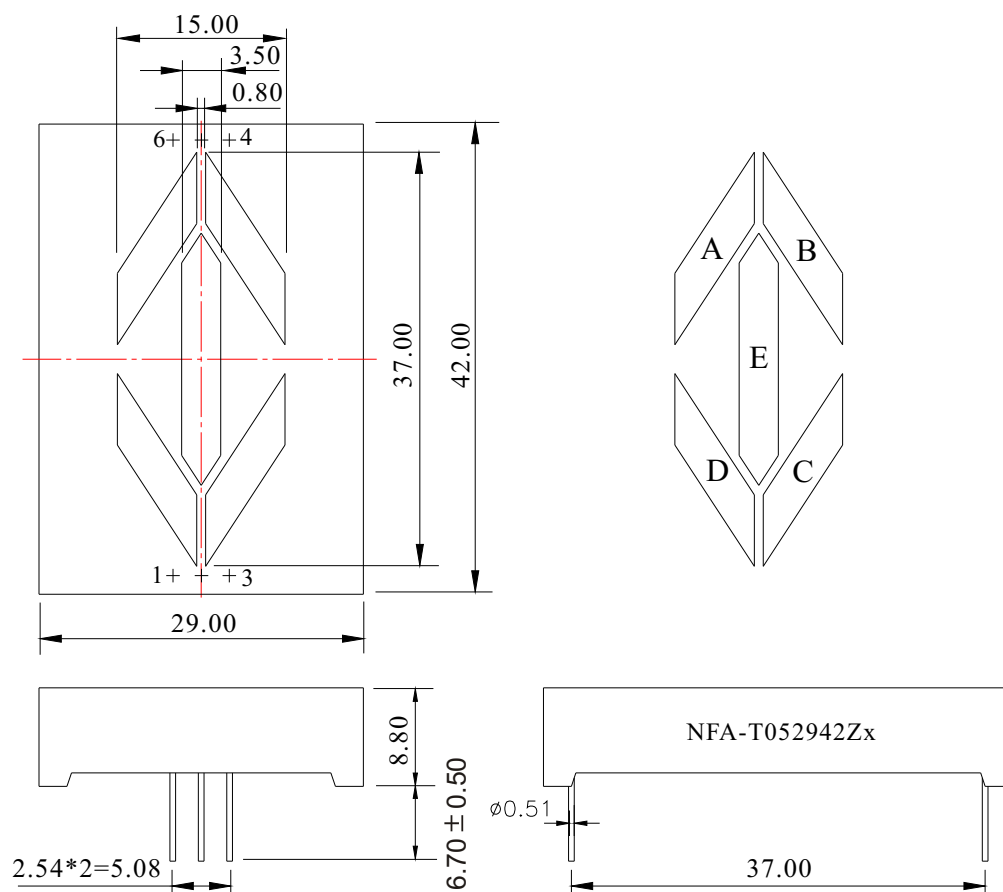
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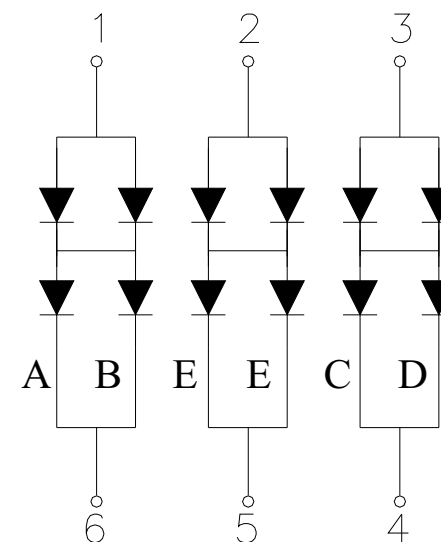
PACKAGE DIMENSION



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

INTERNAL CIRCUIT DIAGRAM

NFA-T052942Zx



Checked

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