



30.0mm X 54.0mm Special Design Arrow Led Displays

Features:

- *High segment intensity
- *Wide viewing angle
- *Range of colors
- *Black 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 Common Cathode	Part Number Common Anode	Emitting Colors	Peak Wavelength	Forward Voltage V _F /Seg.		Luminous Intensity I _v /Seg.	
				Typ.	Max.	Min.	Typ.
NFA-T053054AH-11	NFA-T053054BH-11	GaP/GaP Red	700	4.50	5.00	0.80	1.60
NFA-T053054AS-11	NFA-T053054BS-11	GaAlAs/GaAs SH Hi-Red	660	3.60	4.40	16.00	24.00
NFA-T053054AD-11	NFA-T053054BD-11	GaAlAs/GaAs DH Super Red	660	3.60	4.40	44.00	56.00
NFA-T053054AE-11	NFA-T053054BE-11	GaAsP/GaP Orange	632	4.20	5.00	16.00	24.00
NFA-T053054AY-11	NFA-T053054BY-11	GaAsP/GaP Yellow	585	4.20	5.00	8.00	14.00
NFA-T053054AG-11	NFA-T053054BG-11	GaP/GaP Green	568	4.40	5.00	14.00	22.00
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 Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	50	100	100	100	100	100	mA
DC Forward Current Per Seg.		I _F	15	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	40*16	60*16	60*16	80*16	80*16	80*16	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

Oct/4/2008

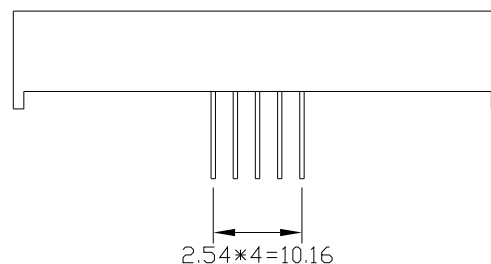
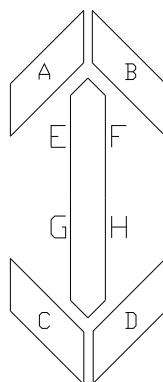
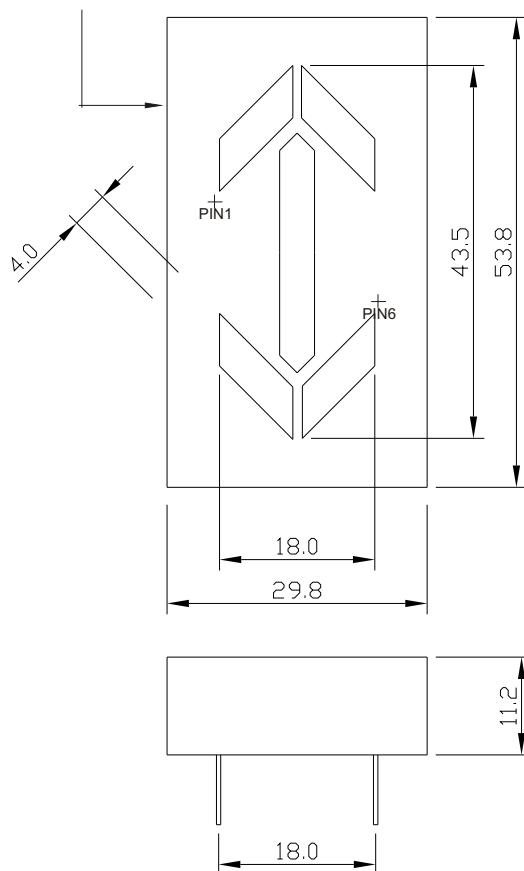
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PACKAGE DIMENSION

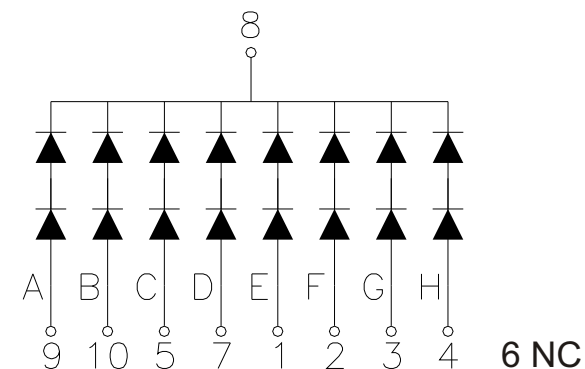
NFA-T053054xx-11



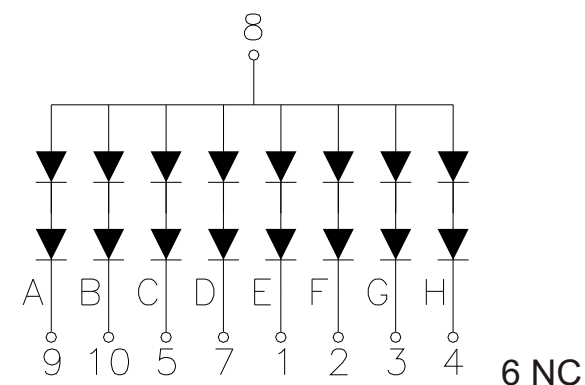
Tolerance $\pm 0.25\text{mm}$ unless stated

INTERNAL CIRCUIT DIAGRAM

NFA-T053054Ax



NFA-T053054Bx



Checked

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