



1.20” (42.00mm) 4.00*4.00mm Square Dot 5*7 Single Color Dot Matrix Displays

Features:

- *High dot intensity
- *Wide viewing angle
- *Range of colors
- *Black face white dot
- *RoHS compliant

Available option:

- *Alternative face and dot color
- *Cropped terminal pins
- *Available emitting colour
- *Low current version

Electro/Optical Characteristics If=20mA Ta=25°C

Part Number Row Cathode Column Anode	Part Number Row Anode Column Cathode	Emitting Color	Peak Wavelength	Forward Voltage V _F /Dot		Luminous Intensity I _v /Dot	
				Typ.	Max.	Min.	Typ.
NFM-12573AUW-11	NFM-12573BUW-11	InGaN/SiC Ultra White	X-0.31/Y-0.31	3.50	4.00	40.00	60.00
Units			nm	V		mcd	

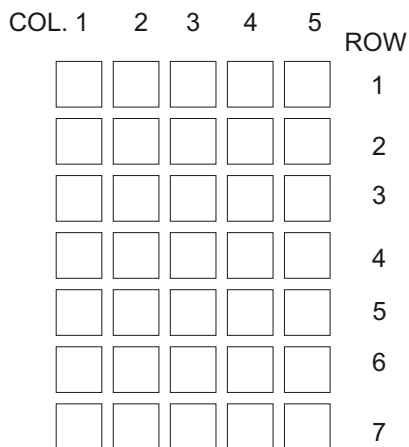
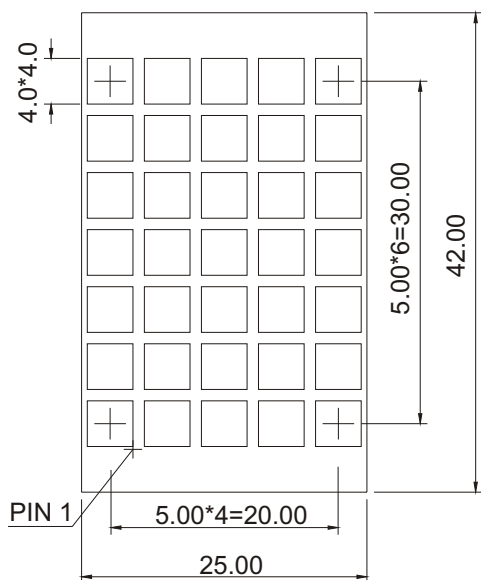
Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UW					Units
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100					mA
DC Forward Current Per Dot		I _F	30					mA
Reverse Current Per Dot	V _R =5V	I _R	10					μA
Power Dissipation		P _D	120*35					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



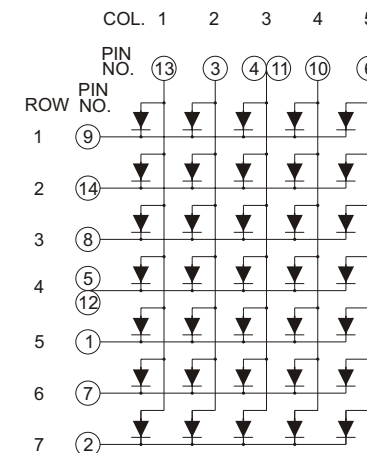
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PACKAGE DIMENSION

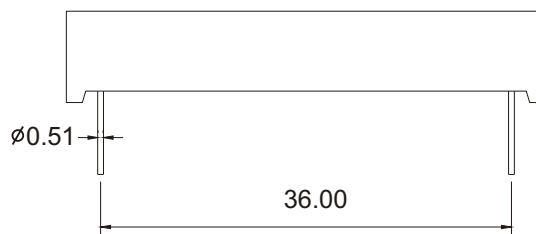
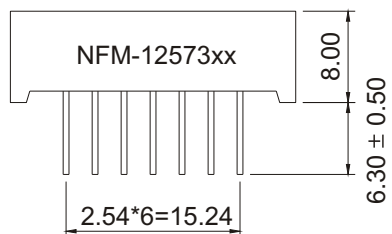
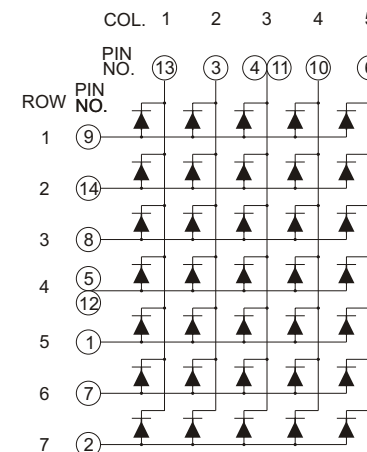


INTERNAL CIRCUIT DIAGRAM

Row Cathode
Column Anode
NFM-12573Ax



Row Anode
Column Cathode
NFM-12573Bx



Tolerance ±0.25mm unless stated