



### 1.20” (32.00mm) 3.00mm x 3.00mm 8\*8 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 color
- \*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 <sub>F</sub> /Dot		Luminous Intensity I <sub>v</sub> /Dot	
				Typ.	Max.	Min.	Typ.
NFM-12883AUW-11	NFM-12883BUW-11	InGaN/SiC Ultra White	X-0.31/Y-0.31	3.50	4.00	40.00	60.00
Units			nm	V		mcd	

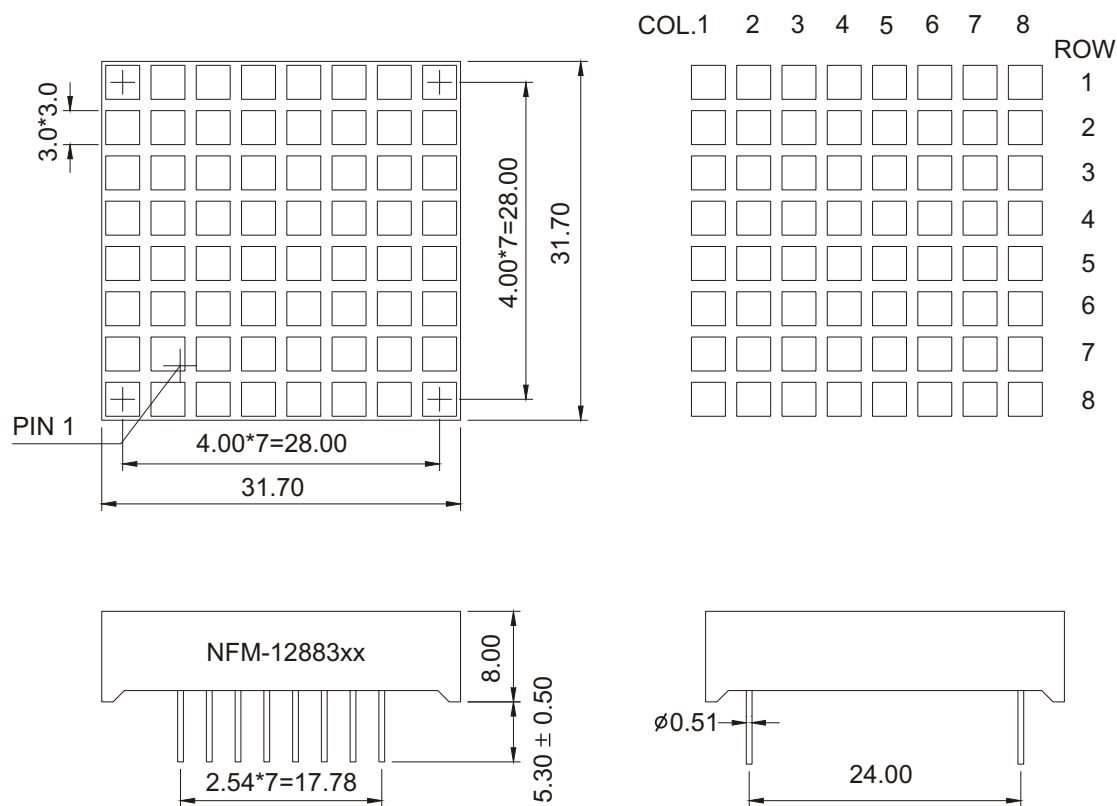
#### Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UW					Units
Pulse Forward Current Per Dot	1/10duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100					mA
DC Forward Current Per Dot		I <sub>F</sub>	30					mA
Reverse Current Per Dot	V <sub>R</sub> =5V	I <sub>R</sub>	10					μA
Power Dissipation		P <sub>D</sub>	120*64					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

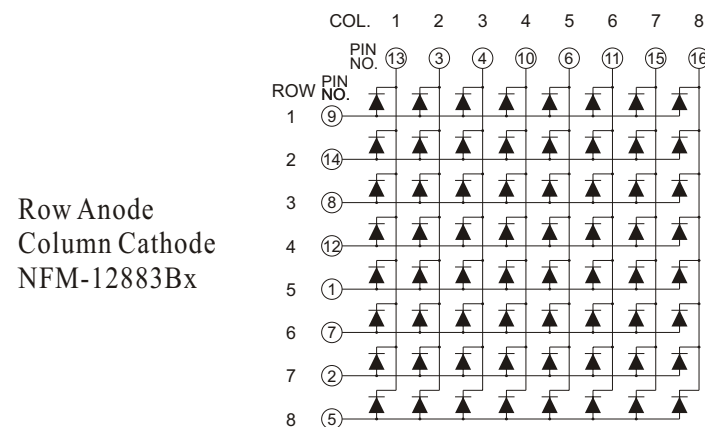
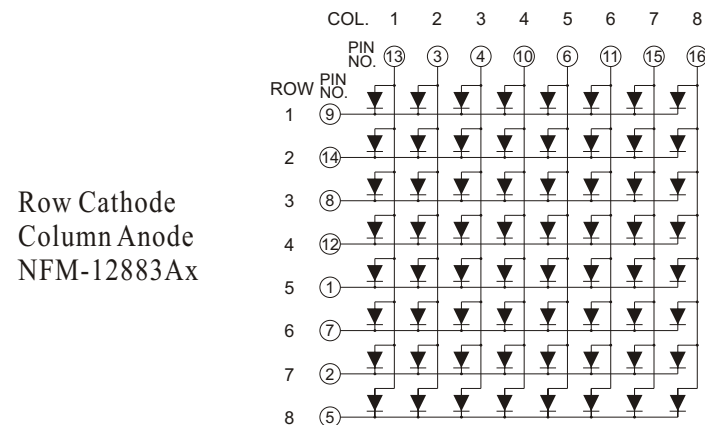


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## PACKAGE DIMENSION



## INTERNAL CIRCUIT DIAGRAM



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