



2.30" (60.20mm) Φ 5.00mm 8*8 Full Color Dot Matrix Displays

Features:

- *Ultra dot intensity
- *Wide viewing angle
- *Full 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 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-23881BUEPGUB-11	AlGaInP/GaAs Ultra Orange	632	2.00	2.50	80.0 mcd	110.0 mcd
		InGaN/SiC Pure Green	520	3.50	4.00	6.00 mW	8.00 mW
		InGaN/SiC Ultra Blue	470	3.50	4.00	4.70 mW	5.50 mW
Units			nm	V			

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

Characteristic	Test Condition	Symbol	UE	PG	UB			Units	
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100	100	100			mA	
DC Forward Current Per Dot		I _F	30	30	30			mA	
Reverse Current Per Dot	V _R =5V	I _R	10	10	10			μA	
Power Dissipation		P _D	65*64	110*64	120*64			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

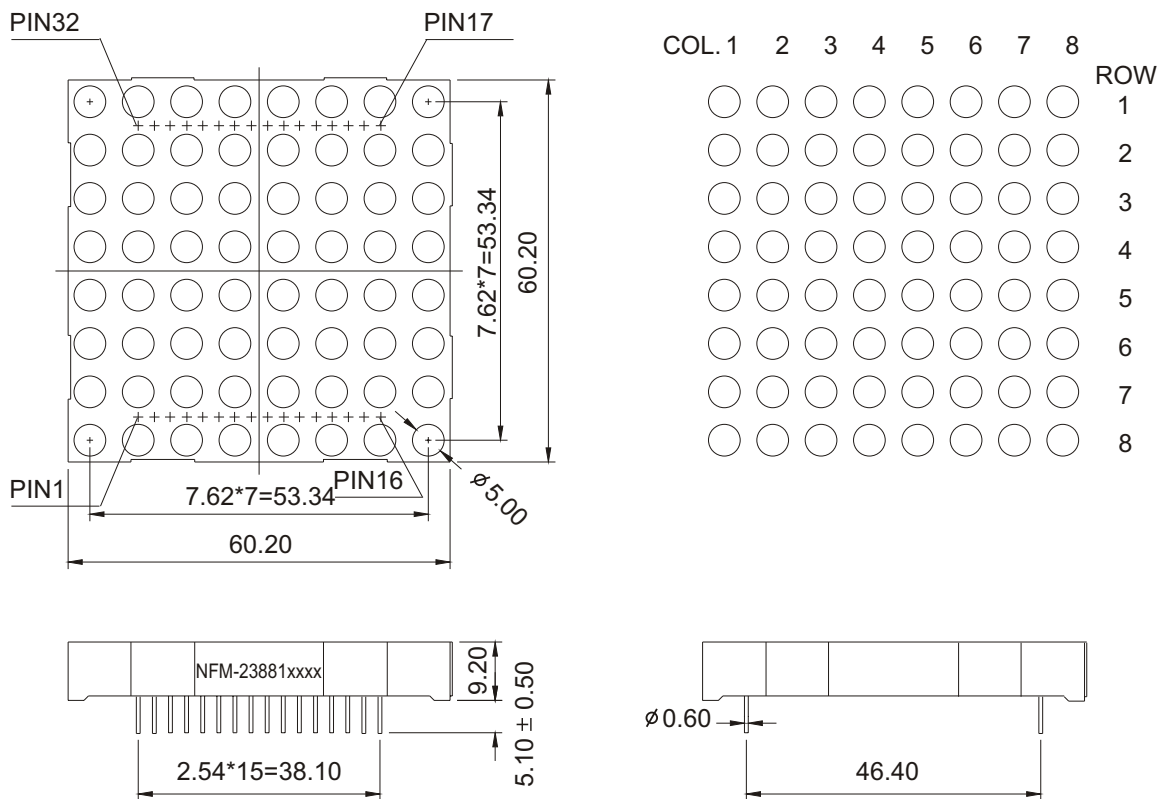
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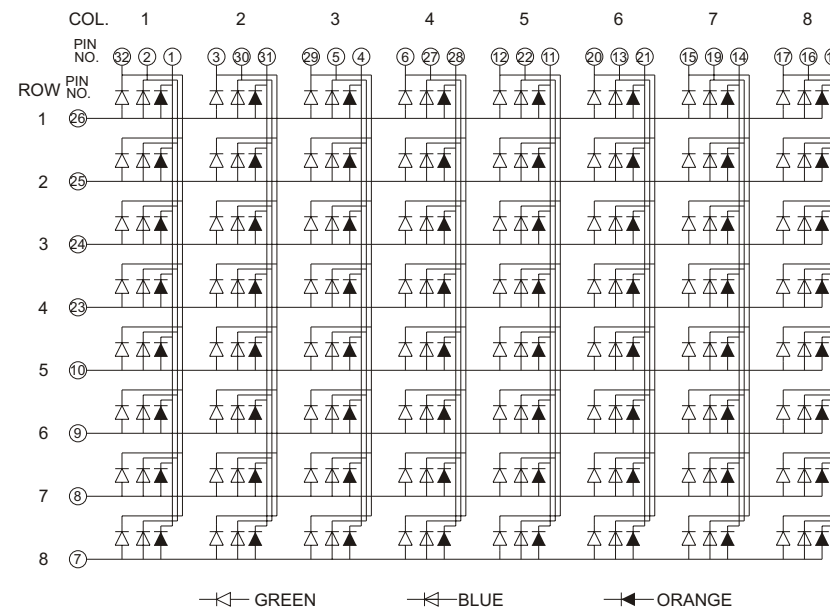
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

Row Anode
Column Cathode
NFM-23881BRGB



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

Checked

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