



2.00" (53.10mm) Φ 5.00mm 5*7 Bi-Color Dot Matrix Displays

Features:

- *High dot intensity
- *Wide viewing angle
- *Bi- 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 $I_f=20mA$ $T_a=25^\circ C$

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-20571ASG-11	NFM-20571BSG-11	GaAlAs/GaAs Hi-Red	660	1.80	2.20	8.0	12.0
		GaP/GaP Green	570	2.20	2.50	7.0	11.0
NFM-20571AUEUG-11	NFM-20571BUEUG-11	AlGaInP Ultra Orange	632	2.00	2.50	30.0	40.0
		AlGaInP Ultra Green	572	2.10	2.50	25.0	40.0
NFM-20571ADUG-11	NFM-20571BDUG-11	GaAlAs/GaAs Super Red	660	1.80	2.20	22.0	28.0
		AlGaInP Ultra Green	572	2.10	2.50	25.0	40.0
Units			nm	V		mcd	

Maximum Ratings $T_a=25^\circ C$ (Derate above $25^\circ C$)

Characteristic	Test Condition	Symbol	S	G	UE	UG	D	Units
Pulse Forward Current Per Dot	1/10duty cycle 0.1ms Pulse width	I_{FP}	100	100	100	100	100	mA
DC Forward Current Per Dot		I_F	25	30	30	30	25	mA
Reverse Current Per Dot	$V_R=5V$	I_R	10	10	10	10	10	μA
Power Dissipation		P_D	60*35	80*35	65*35	80*35	60*35	mW
Operating Temperature		T_{OPR}	-40 to +80					$^\circ C$
Storage Temperature		T_{TSG}	-40 to +85					$^\circ C$
Lead soldering temperature	1.60mm from body maximum 3 seconds		260					$^\circ C$

Checked

Chen N.H.

Approved

Jason Chen

Date

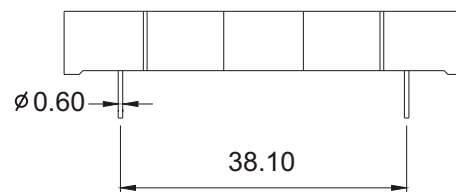
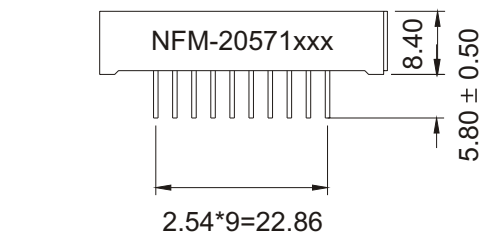
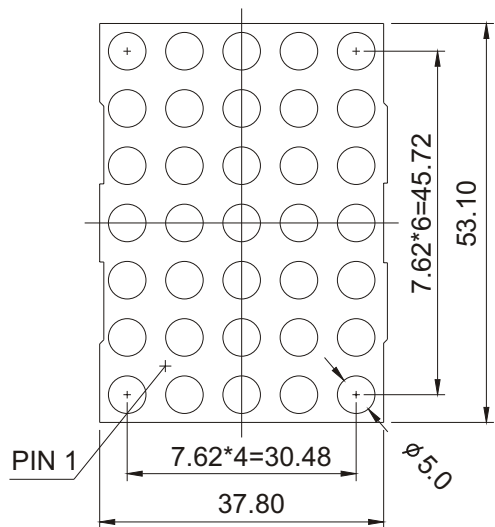
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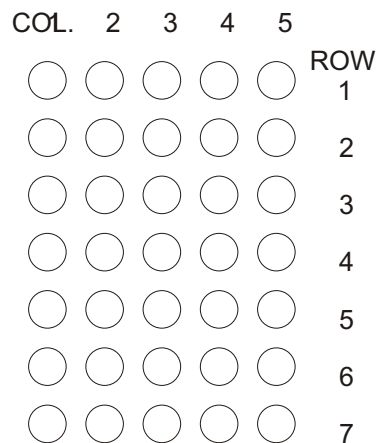
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PACKAGE DIMENSION

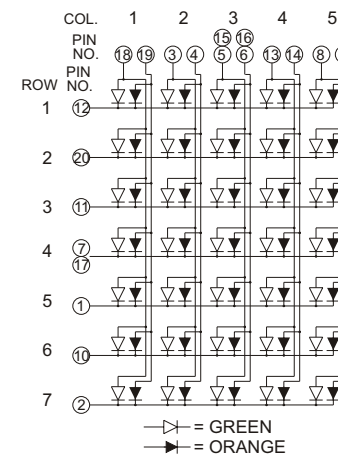


Tolerance \pm 0.25mm unless stated

INTERNAL CIRCUIT DIAGRAM



Row Cathode
Column Anode
NFM-20571Axx



Row Anode
Column Cathode
NFM-20571Bxx

