



## 2.00" (53.10mm) $\Phi$ 5.00mm 5\*7 Single Color Dot Matrix Displays

### Features:

- \*Ultra 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 Common Cathode	Part Number Common Anode	Emitting Color	Peak Wavelength	Forward Voltage Vf/Dot		Luminous Intensity Iv/Dot	
				Typ.	Max.	Min.	Typ.
NFM-20571CUR-11	NFM-20571DUR-11	GaAlAs/GaAs DDH Ultra Red	660	1.90	2.50	60.00	100.00
NFM-20571CUE-11	NFM-20571DUE-11	AlGaInP/GaAs Ultra Orange	632	2.00	2.50	80.00	120.00
NFM-20571CYO-11	NFM-20571DYO-11	AlGaInP/GaAs Ultra Amber	605	2.00	2.50	80.00	120.00
NFM-20571CUY-11	NFM-20571DUY-11	AlGaInP/GaAs Ultra Yellow	590	2.00	2.50	80.00	120.00
NFM-20571CUG-11	NFM-20571DUG-11	AlGaInP/GaAs Ultra Green	574	2.10	2.50	50.00	80.00
NFM-20571CPG-11	NFM-20571DPG-11	InGaN/SiC Pure Green	525	3.50	4.00	100.00	160.00
NFM-20571CUB-11	NFM-20571DUB-11	InGaN/SiC Ultra Blue	470	3.50	4.00	80.00	120.00
NFM-20571CUW-11	NFM-20571DUW-11	InGaN/SiC Ultra White	X-0.31/Y-0.31	3.50	4.00	80.00	120.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	UR	UE	YO	UY	UG	PG	UB	UW	Units
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100	100	100	100	100	100	100	100	mA
DC Forward Current Per Dot		I <sub>F</sub>	25	30	30	30	30	30	30	30	mA
Reverse Current Per Dot	V <sub>R</sub> =5V	I <sub>R</sub>	10	10	10	10	10	10	10	10	μA
Power Dissipation		P <sub>D</sub>	60*70	65*70	65*70	65*70	75*70	110*70	120*70	120*70	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

Checked

Chen N.H.

Approved

Jason Chen

Date

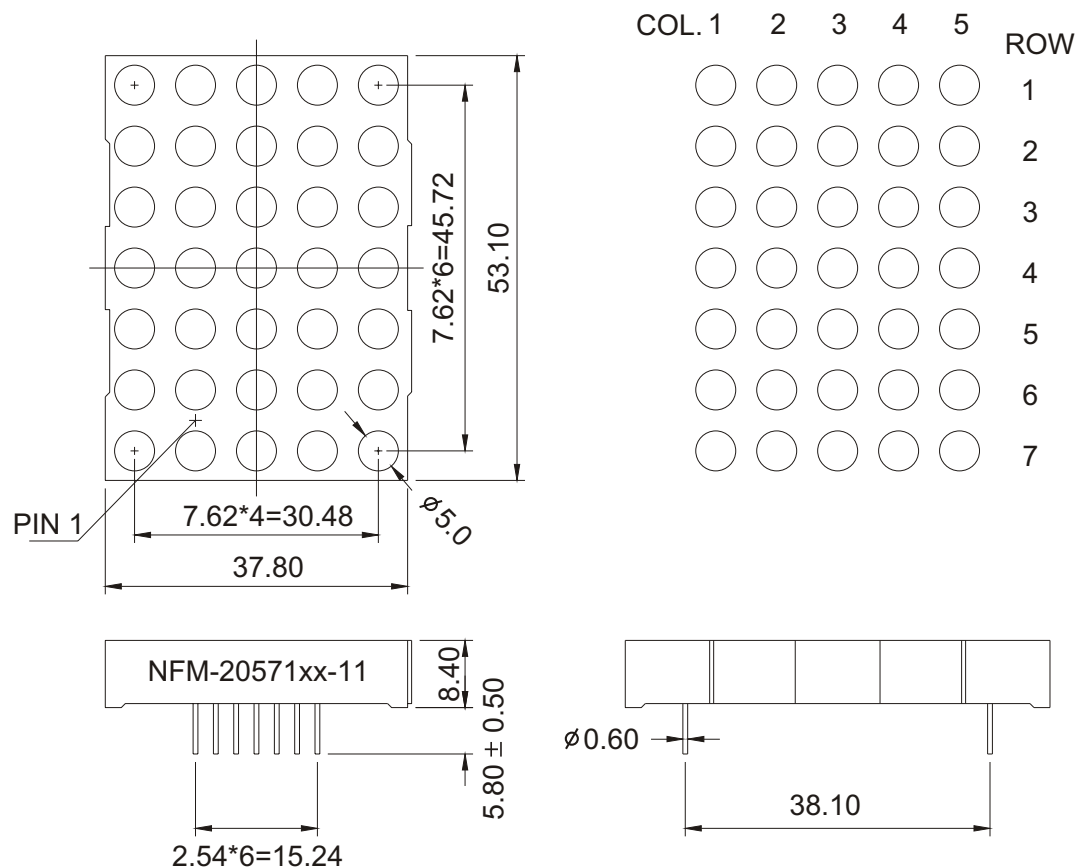
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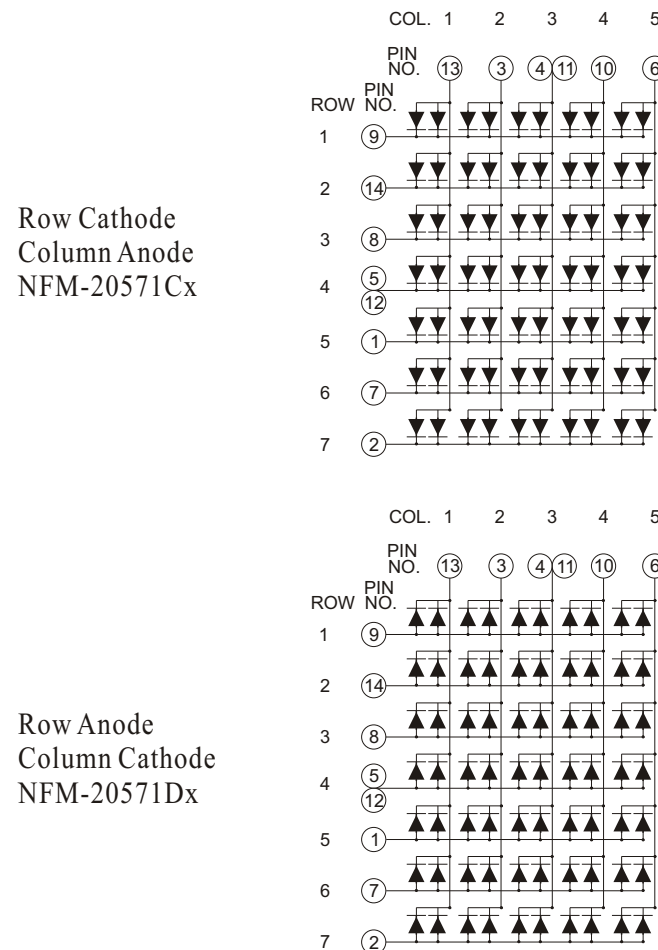


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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



Tolerance  $\pm 0.25$ mm unless stated