



### 4.00” (106.50mm) $\Phi$ 10.00mm 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 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-40571ASG-11	NFM-40571BSG-11	GaAlAs/GaAs Hi-Red	660	3.60	4.40	16.0	24.0
		GaP/GaP Green	570	4.40	5.00	14.0	22.0
NFM-40571AUEUG-11	NFM-40571BUEUG-11	AlGaInP/GaAs Ultra Orange	632	4.00	5.00	80.0	120.0
		AlGaInP/GaAs Ultra Green	574	4.20	5.00	50.0	80.0
Units			nm	V		mcd	

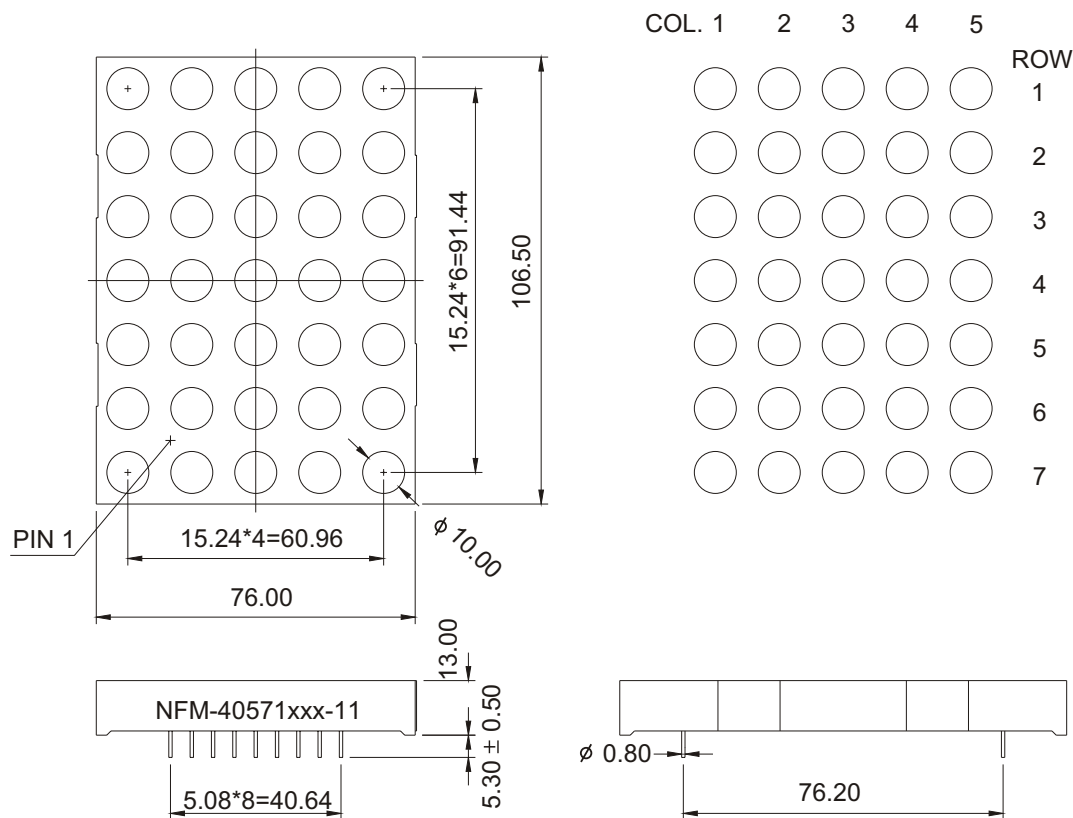
### Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	S	G	UE	UG		Units
Pulse Forward Current Per Dot	1/10duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100	100	100	100		mA
DC Forward Current Per Dot		I <sub>F</sub>	25	30	30	30		mA
Reverse Current Per Dot	V <sub>R</sub> =5V	I <sub>R</sub>	10	10	10	10		μA
Power Dissipation		P <sub>D</sub>	60*70	80*70	65*70	75*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



### 4.00" (106.50mm) $\Phi$ 10.00mm 5\*7 Bi-Color Dot Matrix Displays

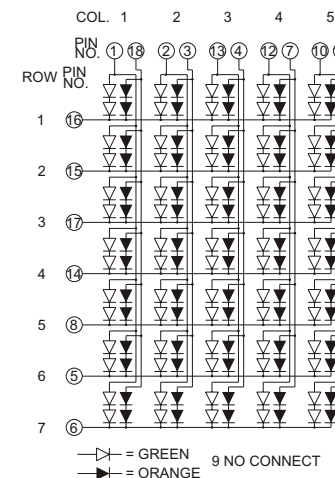
#### PACKAGE DIMENSION



Tolerance  $\pm 0.25$ mm unless stated

#### INTERNAL CIRCUIT DIAGRAM

Row Cathode  
Column Anode  
NFM-40571Axx



Row Anode  
Column Cathode  
NFM-40571Bxx

