



4.60" (116.68mm) Φ 10.00mm 5*8 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 _F /Dot		Luminous Intensity I _v /Dot	
				Typ.	Max.	Min.	Typ.
NFM-46581ASG-11	NFM-46581BSG-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-46581AUEUG-11	NFM-46581BUEUG-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 _{FP}	100	100	100	100		mA
DC Forward Current Per Dot		I _F	25	30	30	30		mA
Reverse Current Per Dot	V _R =5V	I _R	10	10	10	10		μA
Power Dissipation		P _D	60*80	80*80	65*80	75*80		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

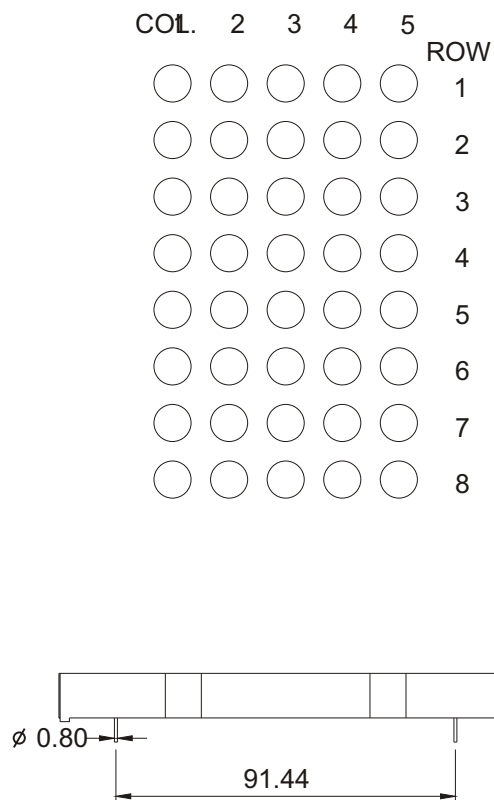
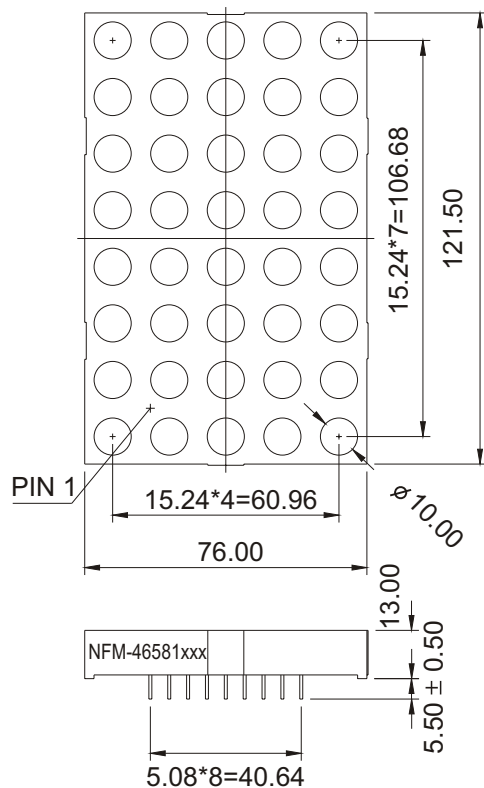
Mar/08/2007

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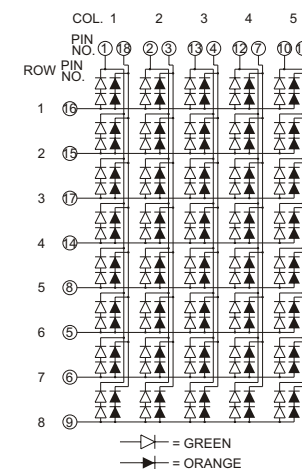
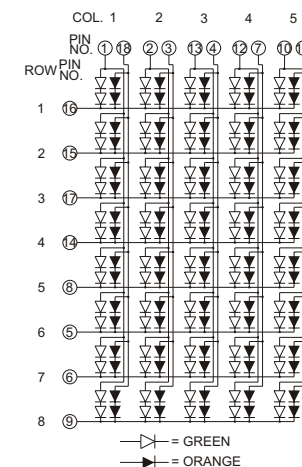


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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



Tolerance \pm 0.25mm unless stated