



1.50” (38.00mm)Oval 3.70mm 8*8 Lamp Dot Matrix Displays

Electro/Optical Characteristics If=20mA Ta=25°C

Part Number	Emitting Color	Peak Wavelength	Forward Voltage V _F /Dot		Luminous Intensity I _v /Dot		Viewing Angle
			Typ.	Max.	Min.	Typ.	2 θ 1/2
NFML-15883BUE-346DH	AlGaInP Ultra Orange	632	2.00	2.50	120.00	200.00	110
NFML-15883BPG-346DH	InGaN Pure Green	515	3.30	3.80	300.00	500.00	110
NFML-15883BUY-346DH	AlGaInP Ultra Yellow	590	2.00	2.50	120.00	200.00	110
NFML-15883BUW-346CH	InGaN Ultra White	X-0.31/Y-0.31	3.30	3.80	900.00	1500.00	80
Units		nm	V		mcd		degree

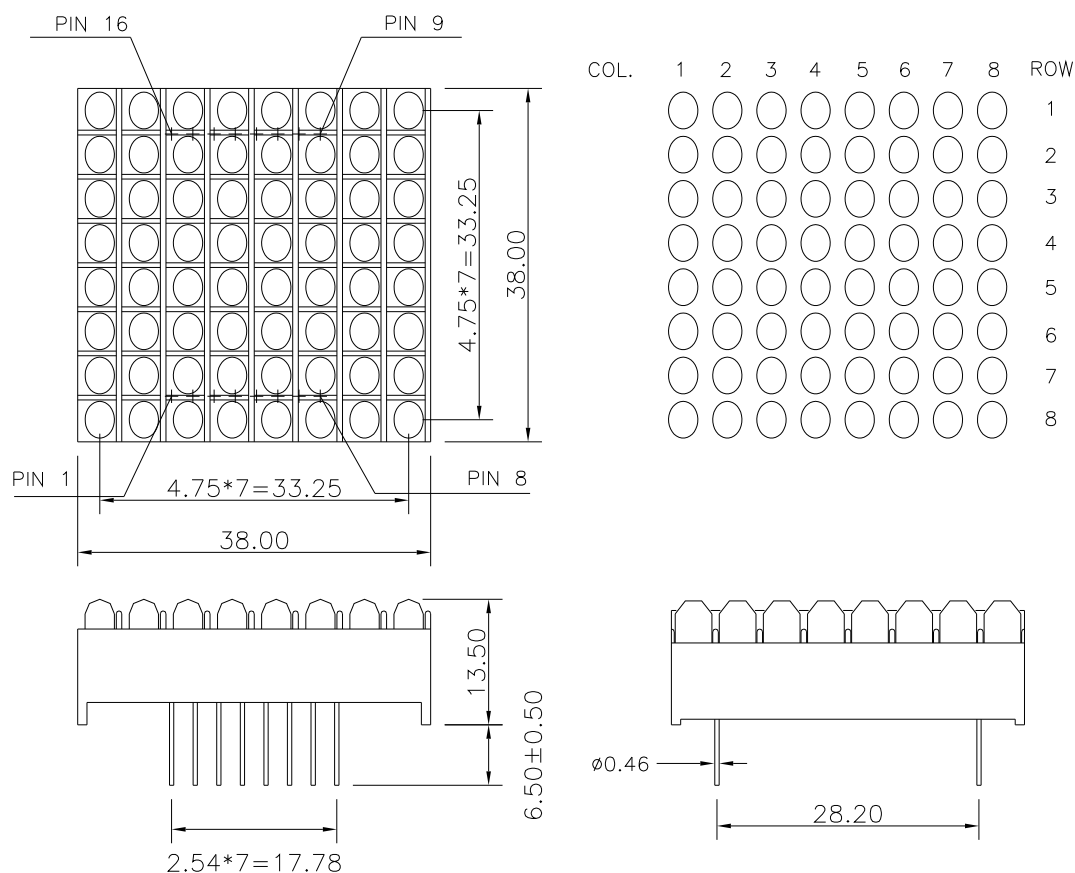
Maximum Ratings Ta=25°C (Derate above 25°C)

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

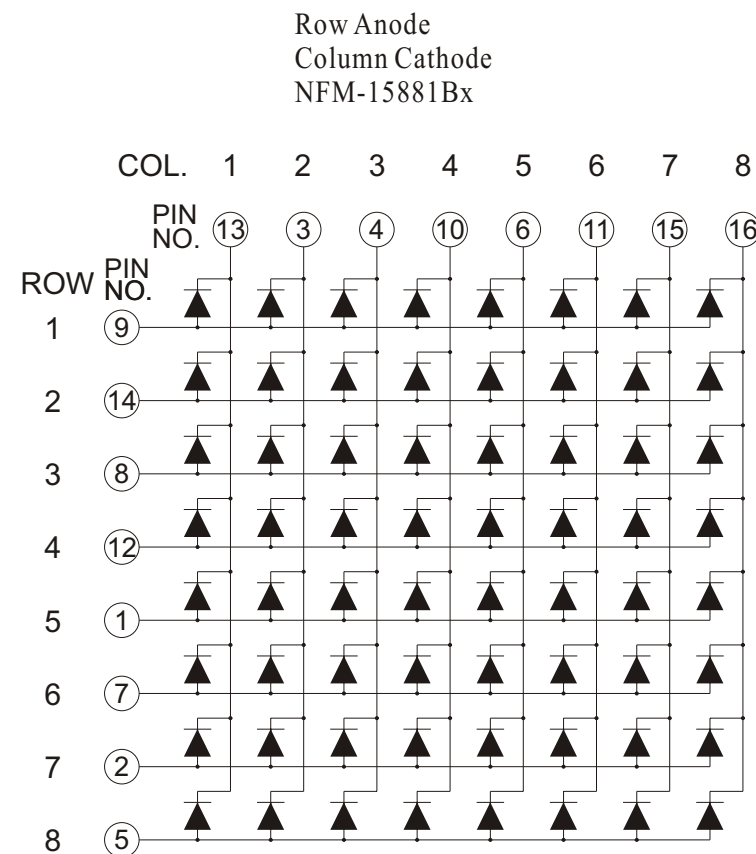


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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



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

Checked

Chen N.H.

Approved

Jason Chen

Date

Mar/12/2007

PAGE 2 / 2