G-NOR OPTOELECTRONICS Co.,Ltd.

Lighting
LED TECHNOLOGY

GNLM-23884DX Series

2.30 (60.96mm)Oval 5.00mm 8*8 Lamp Dot Matrix Displays

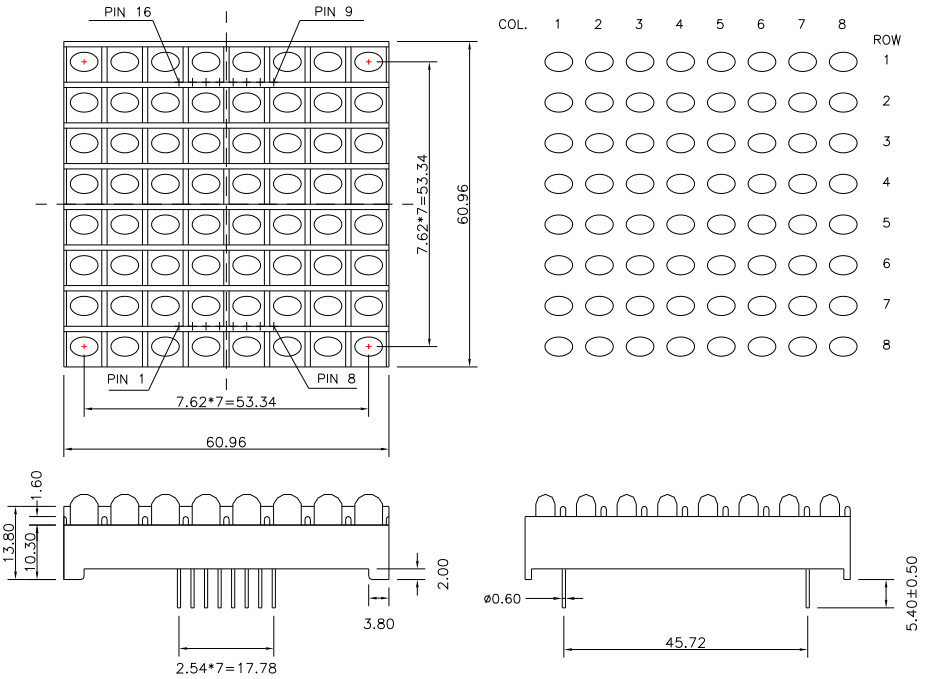
Electro/Optical Characteristics If=20mA Ta=25℃

Part Number	Emitting Color	Lens Color	Peak Wavelength	Forward Voltage V_F/Dot		Luminous Intensity Iv/Dot		Viewing Angle
				Typ.	Max.	Min.	Typ.	2 θ 1/2
GNML-23884DUE-546CH-E14	AlGaInP Ultra Orange	Water Clear	632	2.00	2.50	900.00	1300.00	100
GNML-23884DUE-546DH-E14	AlGaInP Ultra Yellow	Yellow Diffused	590	2.00	2.50	1000.00	1500.00	120
Units			nm	V		mcd		degree

Maximum Ratings Ta=25℃ (Derate above 25℃)

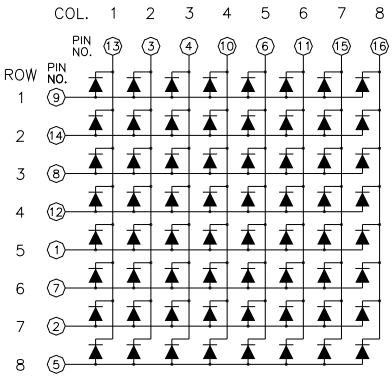
Characteristic	Test Condition	Symbol	UE	UY			Units
Pulse Forward Current Per Dot	1/10 duty cycle 0.1ms Pulse width	I_{FP}	100	100			mA
DC Forward Current Per Dot		I_F	30	30			mA
Reverse Current Per Dot	V_R=5V	I_R	10	10			μA
Power Dissipation		P_D	65*64	65*64			mW
Operating Temperature		T_{OPR}	-40 to +80				℃
Storage Temperature		T_{TSG}	-40 to +85				℃
Lead soldering temperature	1.60mm from body maximum 3 seconds		260				℃

PACKAGE DIMENSION



Tolerance 0.25mm unless stated

INTERNAL CIRCUIT DIAGRAM



Row Anode
Column Cathode
GNLM-23884Dx