

## 2.3" 8x8 LED Dot Matrix Display

MODEL NO:                     M-2388AS                    

★Features:

- Large emitting dot 0.197" diameter;
- Low power/high brightness.

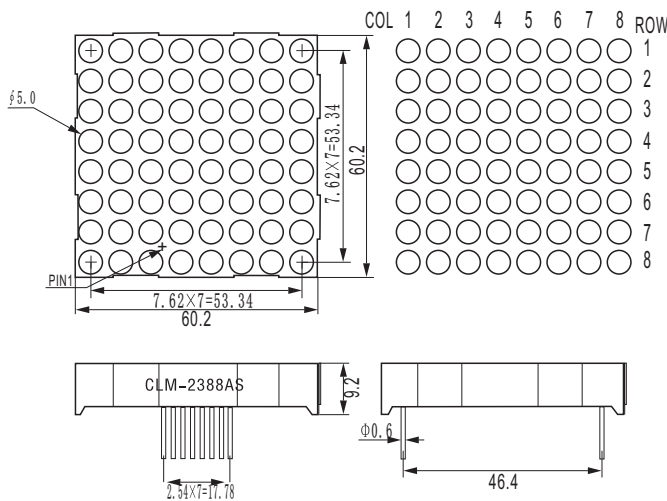
★Applications:

- Instrument panels;
- Digital read out display;

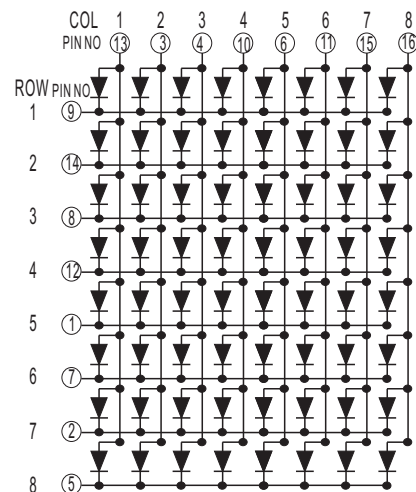
★Descriptions:

- The M-2388AS series is a large emitting area (5.0mm diameter) LED sources configured in a 64 dots 8\*8 matrix array.
- These devices are made with white dots and black surface.

★Package Dimensions



★Circuit: Unit:mm



★Absolute Maximum Ratings (Ta=25°C):

Parameter	Symbol	Rating	Unit	Remarks
Forward Current	I <sub>F</sub>	30	mA	—
Peak Forward Current	I <sub>FP</sub>	100	mA	1/10 Duty Cycle
Reverse Voltage	V <sub>R</sub>	5	V	—
Operating Temperature	T <sub>opr</sub>	-40 ~ +85	°C	—
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C	—
Soldering Temperature	T <sub>sol</sub>	260	°C	<3 seconds
Power Dissipation	P <sub>d</sub>	60	mW	—

★Electronic Optical Characteristics (Ta=25°C):

Chip (Ta= 25°C)		I <sub>f</sub> =20mA						Drive Mode	Face
Quantity	Emitting color	λ <sub>D</sub> (nm)	Δλ (nm)	I <sub>V</sub> (mcd)	V <sub>F</sub> (V)				
				Typ	Min	Typ	Max		
64ea	Red	645	25	10	1.7	1.8	2.4	Common cathode	Black

★Elucidation: Pb =Pb free Soldering Application, Pb<1000ppm (RoHS-Compliant)

- ▲ LEDs
- ▲ LED Displays
- ▲ LED Light
- ▲ Infrared LEDs
- ▲ LCD Backlight