

1.9" 8x8 LED Dot Matrix Display

MODEL NO : M-1988AS

★Features:

- Large emitting dot 0.19" diameter;
- Low power/high brightness.

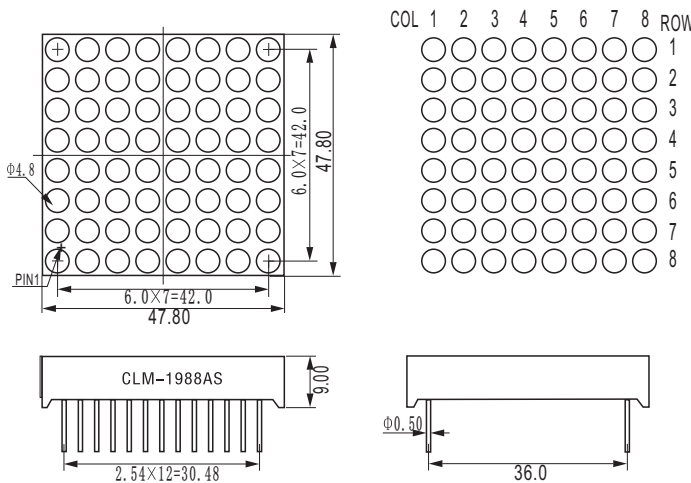
★Applications:

- Instrument panels;
- Digital read out display;

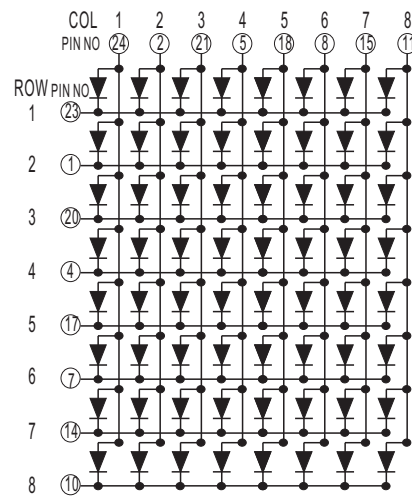
★Descriptions:

- The M-1988AS series is a large emitting area (4.8mm 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



3, 6, 9, 12, 13, 16, 19, 22, 25, 26 NO PIN

★Absolute Maximum Ratings (Ta=25°C):

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

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

Chip (Ta= 25°C)		I _f =20mA						Drive Mode	Face
Quantity	Emitting color	λ _D (nm)	Δλ (nm)	I _V (mcd) Typ	V _F (V)				
					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