

# 2.3" 8x8 Dot Matrix Display

## FEATURES

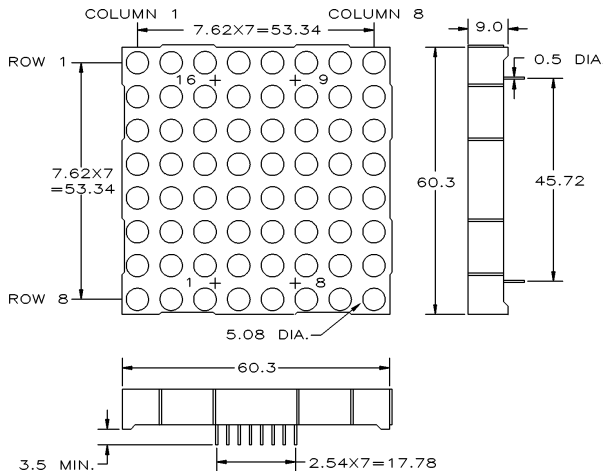
- 2.3" 8x8 dot matrix
- Additional colors/materials available

## OPTO-ELECTRICAL CHARACTERISTICS (Ta = 25°C)

PART NO.	PEAK WAVE LENGTH (nm)	EMITTED COLOR	FACE COLORS		MAXIMUM RATINGS			OPTO-ELECTRICAL CHARACTERISTICS						PIN-OUT	
			SURFACE COLOR	EPOXY COLOR	IF (mA)	VR (V)	PD (mW)	VF(V)			IR(μA)		IV(μcd)		
								typ.	max.	@mA	max.	@VR	typ. per dot		@mA
MTAN2123-11A	567	Green	Grey	White	30	5	85	2.1	3.0	20	100	5	5100	10	1
MTAN4123-11A	635	Orange	Grey	White	30	5	85	2.1	3.0	20	100	5	5900	10	1
MTAN4123R-11A	635	Hi-Eff Red	Red	Red	30	5	85	2.1	3.0	20	100	5	5900	10	1
MTAN7123M-11A	660	Ultra Red	Black	White	30	4	70	1.7	2.2	20	100	4	31100	20	1
MTAN2123-21C	567	Green	Grey	White	30	5	85	2.1	3.0	20	100	5	5100	10	2
MTAN4123-21C	635	Orange	Grey	White	30	5	85	2.1	3.0	20	100	5	5900	10	2
MTAN4123R-21C	635	Hi-Eff Red	Red	Red	30	5	85	2.1	3.0	20	100	5	5900	10	2
MTAN7123M-21C	660	Ultra Red	Black	White	30	4	70	1.7	2.2	20	100	4	31100	20	2

Operating Temperature: -25~+85, Storage Temperature: -25~+100. Other face/epoxy colors are available.

## PACKAGE DIMENSIONS AND PIN FUNCTIONS



### PINOUT 1

COLUMN ANODE  
PIN NO. FUNCTION

1. CATHODE ROW 5
2. CATHODE ROW 7
3. ANODE COLUMN 2
4. ANODE COLUMN 3
5. CATHODE ROW 8
6. ANODE COLUMN 5
7. CATHODE ROW 6
8. CATHODE ROW 3
9. CATHODE ROW 1
10. ANODE COLUMN 4
11. ANODE COLUMN 6
12. CATHODE ROW 4
13. ANODE COLUMN 1
14. CATHODE ROW 2
15. ANODE COLUMN 7
16. ANODE COLUMN 8

### PINOUT 2

COLUMN CATHODE  
PIN NO. FUNCTION

1. ANODE ROW 5
2. ANODE ROW 7
3. CATHODE COLUMN 2
4. CATHODE COLUMN 3
5. ANODE ROW 8
6. CATHODE COLUMN 5
7. ANODE ROW 6
8. ANODE ROW 3
9. ANODE ROW 1
10. CATHODE COLUMN 4
11. CATHODE COLUMN 6
12. ANODE ROW 4
13. CATHODE COLUMN 1
14. ANODE ROW 2
15. CATHODE COLUMN 7
16. CATHODE COLUMN 8

1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS  $\pm 0.25$ mm UNLESS OTHERWISE SPECIFIED.
2. THE SLOPE ANGLE OF ANY PIN MAY BE  $\pm 5.0^\circ$  MAX.



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For up-to-date product info visit our web site at [www.marktechopto.com](http://www.marktechopto.com)

All specifications subject to change.