

Marktech 0.85" 8x8 Bi-Color Dot Matrix

Features

Additional Colors/Materials Available
 Color Clear Encapsulation
 Excellent Character Appearance
 High Light Output
 IC Compatible
 Low Current Requirement
 Other face/epoxy colors available

Applications

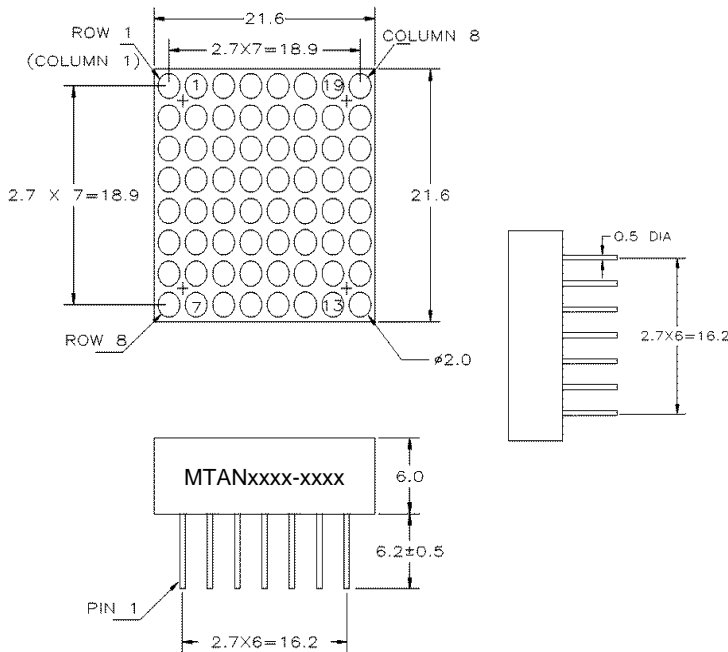
VMS
 Message Signs

Notes

All Dimensions are in millimeters.
 Tolerance is $\pm 0.25\text{mm}$ unless otherwise stated.
 The slope angle of any pin may be $\pm 5.0^\circ$ MAX.
 Operating Temperature: $-25 \sim +85$
 Storage Temperature: $-25 \sim +100$
 Specifications subject to change without notice.

Part Number	PWL λ_p	Material	Emitted Color	Face Colors		Maximum Ratings			Optical and Electrical Characteristics						Pin Out	
				Epoxy Color	Surface Color	IF	VR	PD	Forward Voltage VF		Reverse Current IR		Luminous Intensity IV			
									typ.	max.	IF@	max.	VR@	typ. dot		IF@
MTAN6385-AHRG	635	GaAsP	HR	White	Black	30	5.00	85.00	2.10	20mA	20mA	100	5V	7.40	20mA	1
	567	GaP	YG	White	Black	30	5.00	85.00	2.10		20mA	100	5V	6.50	20mA	1
MTAN6485-CHRG	635	GaAsP	HR	White	Black	30	5.00	85.00	2.10	20mA	20mA	100	5V	7.40	20mA	2
	567	GaP	YG	White	Black	30	5.00	85.00	2.10		20mA	100	5V	6.50	20mA	2
Units	nm	-	-	-	-	mA	V	mW	V	-	μA	-	mcd	-	-	-

Package Dimensions and Pin Functions



PINOUT 1

COLUMN ANODE

PIN NO. FUNCTION

1. CATHODE ROW 1
2. ANODE COLUMN 2 (HR)
3. CATHODE ROW 3
4. ANODE COLUMN 1 (HR)
5. CATHODE ROW 5
6. ANODE COLUMN 1 (G)
7. CATHODE ROW 8
8. ANODE COLUMN 2 (G)
9. ANODE COLUMN 3 (G)
10. ANODE COLUMN 4 (G)
11. ANODE COLUMN 5 (G)
12. ANODE COLUMN 6 (G)
13. CATHODE ROW 7
14. CATHODE ROW 6
15. ANODE COLUMN 7 (G)
16. CATHODE ROW 4
17. ANODE COLUMN 8 (HR)
18. CATHODE ROW 2
19. ANODE COLUMN 8 (G)
20. ANODE COLUMN 7 (HR)
21. ANODE COLUMN 6 (HR)
22. ANODE COLUMN 5 (HR)
23. ANODE COLUMN 4 (HR)
24. ANODE COLUMN 3 (HR)

PINOUT 2

COLUMN CATHODE

PIN NO. FUNCTION

1. ANODE ROW 1
2. CATHODE COLUMN 2 (HR)
3. ANODE ROW 3
4. CATHODE COLUMN 1 (HR)
5. ANODE ROW 5
6. CATHODE COLUMN 1 (G)
7. ANODE ROW 8
8. CATHODE COLUMN 2 (G)
9. CATHODE COLUMN 3 (G)
10. CATHODE COLUMN 4 (G)
11. CATHODE COLUMN 5 (G)
12. CATHODE COLUMN 6 (G)
13. ANODE ROW 7
14. ANODE ROW 6
15. CATHODE COLUMN 7 (G)
16. ANODE ROW 4
17. CATHODE COLUMN 8 (HR)
18. ANODE ROW 2
19. CATHODE COLUMN 8 (G)
20. CATHODE COLUMN 7 (HR)
21. CATHODE COLUMN 6 (HR)
22. CATHODE COLUMN 5 (HR)
23. CATHODE COLUMN 4 (HR)
24. CATHODE COLUMN 3 (HR)