

### Features

Additional Colors/Materials Available  
 Other Pin Outs Available For This Product  
 Low Current Requirements  
 Excellent Character Appearance  
 High Light Output  
 IC Compatible

### Applications

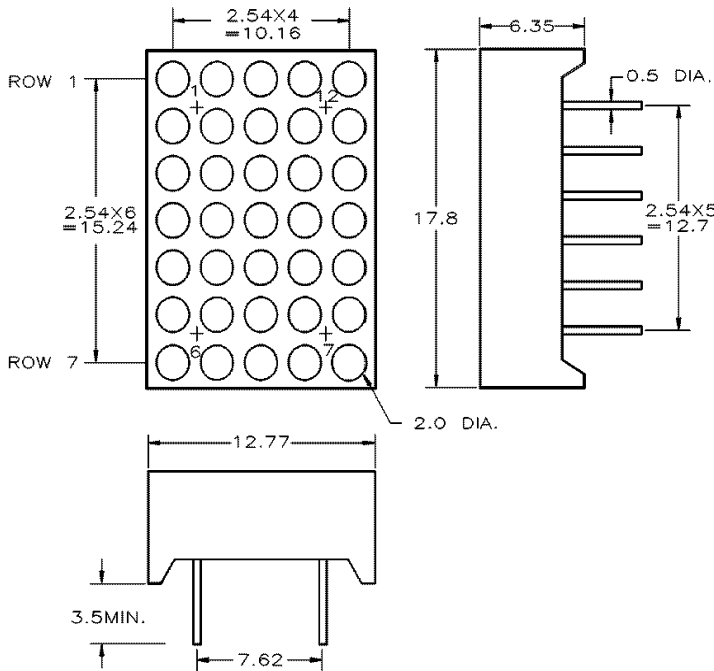
VMS  
 Message Boards

### Notes

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

Part Number	PWL $\lambda_p$	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@
MTAN2170-12A	567	GaP	YG	White	Gray	30	5.00	85.00	2.10	3.00	20mA	100	5V	2.90	10mA	1
MTAN2170-22C	567	GaP	YG	White	Gray	30	5.00	85.00	2.10	3.00	20mA	100	5V	2.90	10mA	2
MTAN4170-12A	635	GaAsP	HR	White	Gray	30	5.00	85.00	2.10	3.00	20mA	100	5V	3.30	10mA	1
MTAN4170-22C	635	GaAsP	HR	White	Gray	30	5.00	85.00	2.10	3.00	20mA	100	5V	3.30	10mA	2
MTAN4170R-12A	635	GaAsP	HR	Red	Red	30	5.00	85.00	2.10	3.00	20mA	100	5V	3.30	10mA	1
MTAN4170R-22C	635	GaAsP	HR	Red	Red	30	5.00	85.00	2.10	3.00	20mA	100	5V	3.30	10mA	2
MTAN7170M-12A	660	GaAlAs	UR	White	Black	30	4.00	70.00	1.70	2.20	20mA	100	4V	17.40	20mA	1
MTAN7170M-22C	660	GaAlAs	UR	White	Black	30	4.00	70.00	1.70	2.20	20mA	100	4V	17.40	20mA	2
<b>Units</b>	nm	-	-	-	-	mA	V	mW	V	-	$\mu$ A	-	mcd	-	-	-

### Package Dimensions and Pin Functions



#### PINOUT 1

##### COLUMN ANODE

##### PIN NO. FUNCTION

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

#### PINOUT 2

##### COLUMN CATHODE

##### PIN NO. FUNCTION

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