

MS136A/C (L)  
 MG136A/C (L)  
 MO136A/C (L)

LED SINGLE  
 DIGIT DISPLAY

# MICRO

## SEVEN SEGMENT NUMERIC DISPLAYS

- High efficiency GaP, GaAsP/GaP
- 0.36 inch character height
- High contrast
- Common Anode direct drive -  
 MS136A(L), MG136A(L), MO136A(L)
- Common Cathode direct drive -  
 MS136C(L), MG136C(L), MO136C(L)
- Continuous uniform segments
- Wide viewing angle

## AVAILABLE IN THREE COLORS :

- MS136A/C(L) Red
- MG136A/C(L) Green
- MO136A/C(L) Orange

## MAXIMUM RATINGS (Ta=25°C)

Reverse Voltage

VR 5V

Peak Forward Current / Segment

IF/Pulse\* 200mA

Continuous Forward Current / Segment

IF/DC 20mA

Power Dissipation

Pd 300mW

Storage Temperature Range

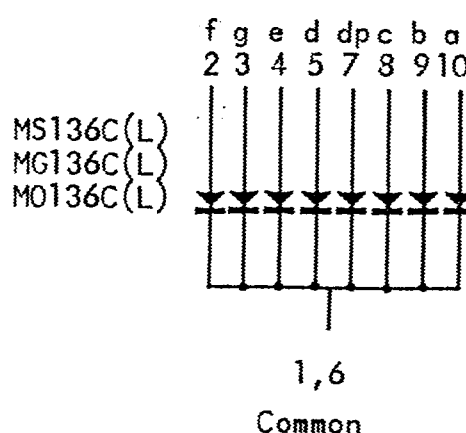
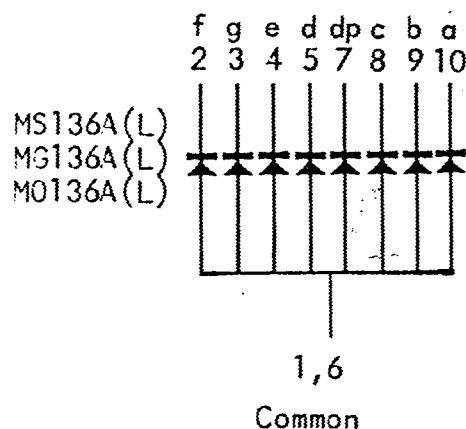
Tstg -25 to +80°C

Operating Temperature Range

Topr -20 to +75°C

\* Note : Pulse Width = 1mS, Duty Ratio = 1/10.

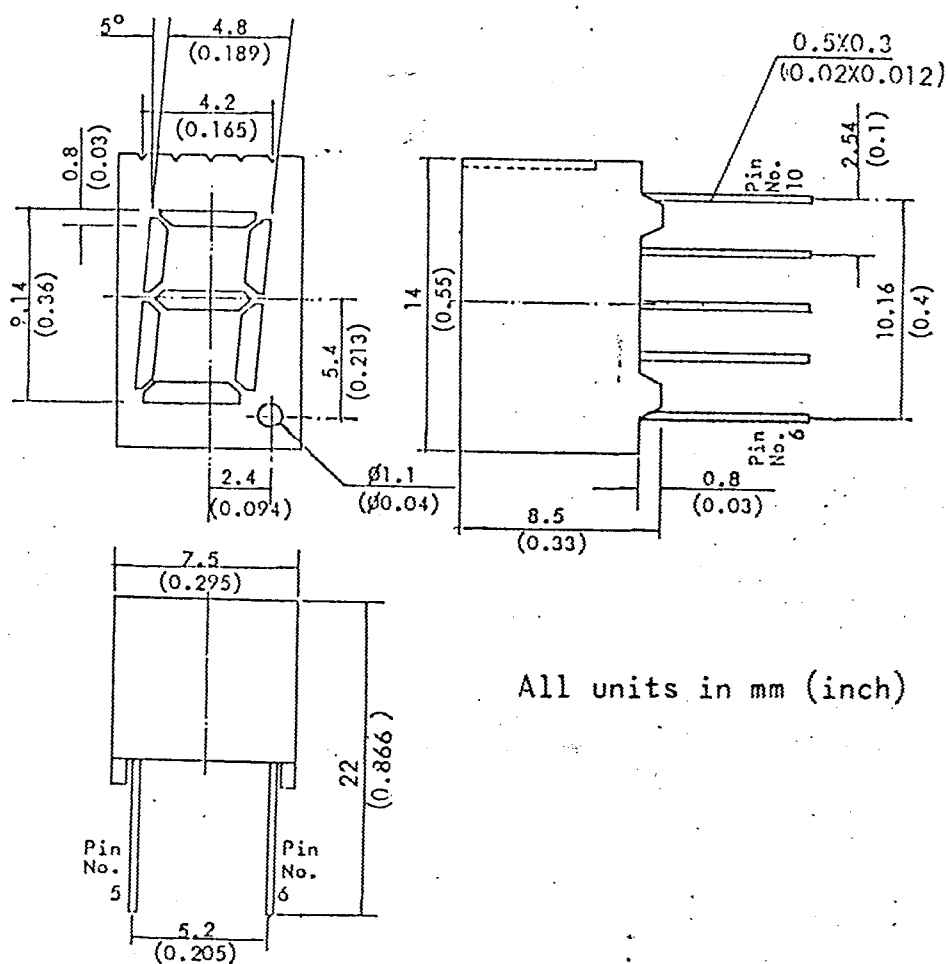
## CONNECTION



MICRO ELECTRONICS LTD. 美科有限公司

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 P.O. Box 9477, Kwun Tong. Tel: 3-430181-6, 3-893363, 3-892423, 3-898221

# MECHANICAL OUTLINE



All units in mm (inch)

## ELECTRO-OPTICAL CHARACTERISTICS PER SEGMENT ( $T_a=25^{\circ}\text{C}$ )

| PARAMETER                                         | SYMBOL          | MS136A(L)<br>MS136C(L) | MG136A(L)<br>MG136C(L) | MO136A(L)<br>MO136C(L) | UNIT           | CONDITIONS |
|---------------------------------------------------|-----------------|------------------------|------------------------|------------------------|----------------|------------|
| Forward Voltage (MAX)                             | VF              | 3                      | 3                      | 3                      | V              | IF=20mA    |
| Luminous Intensity(MIN)                           | IV              | 330                    | 1200                   | 1000                   | $\mu\text{cd}$ | IF=20mA    |
| Segment to Segment<br>Luminous Intensity<br>Ratio |                 | 1.5:1                  | 1.5:1                  | 1.5:1                  |                | IF=10mA    |
| Wave Length At Peak<br>Emission                   | $\lambda_p$     | 700                    | 565                    | 635                    | nm             |            |
| Spectral Half Width                               | $\Delta\lambda$ | 100                    | 30                     | 30                     | nm             |            |