

# MICRO

ELECTRONICS

MO458A/C-H-R

HIGH EFFICIENCY  
LOW CURRENT  
0.56" FOUR DIGIT  
ORANGE LED DISPLAYS

## FEATURES:

Low Cost

Low Power Requirements

High Contrast

Wide Viewing Angle

Common Anode : MO458A-H-R

Common Cathode : MO458C-H-R

## ABSOLUT MAXIMUM RATINGS

|                                              |                |
|----------------------------------------------|----------------|
| Power Dissipation / Segment                  | 75mW           |
| Peak Forward Current / Segment               | 100mA          |
| (Pulse Width $\leq$ 1mS , Duty Ratio = 1/10) |                |
| Continuous Forward current / Segment         | 25mA           |
| Revers Voltage / Segment                     | 5V             |
| Operation Temperature Range                  | -20°C TO +80°C |
| Storage Temperature Range                    | -25°C TO +85°C |
| Solder Temperature (1/16 Inch from body)     | 260°C          |
| Maximum Soldering Time( $\leq$ 260°C)        | 5 sec          |

## ELECTRO-OPTICAL CHARACTERISTICS ( Ta = 25°C)

| PARAMETER                         | SYMBOL          | MIN | TYP | MAX | UNIT    | CONDITIONS |
|-----------------------------------|-----------------|-----|-----|-----|---------|------------|
| Average Luminous Intensity        | IV              | 8   | 14  |     | mcd     | IF= 1mA    |
| Luminous Intensity Matching Ratio |                 |     |     | 2:1 |         | IF= 20mA   |
| Forward Voltage Any Segment       | VF              |     | 2.0 | 2.5 | V       | IF=20mA    |
| Reverse Current Any Segment       | IR              |     |     | 100 | $\mu$ A | VR=5V      |
| Dominant Wavelength               | $\lambda_D$     | 620 | 625 | 630 | nm      | IF= 20mA   |
| Spectral Line Half Width          | $\Delta\lambda$ |     | 17  |     | nm      | IF= 20mA   |



MICRO ELECTRONICS LTD.

7/F, Enterprise Square Three, 39 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong.

TEL: (852) 23430181 FAX: (852) 23410321

HOMEPAGE: <http://www.microelectr.com.hk>

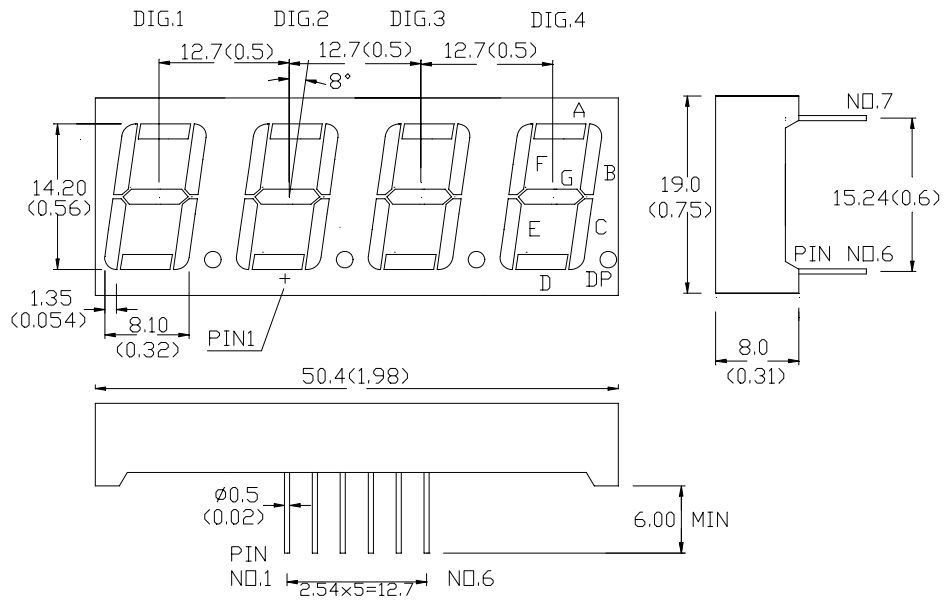
美科有限公司

REV : B

06/5/9

# MO458A/C-H-R

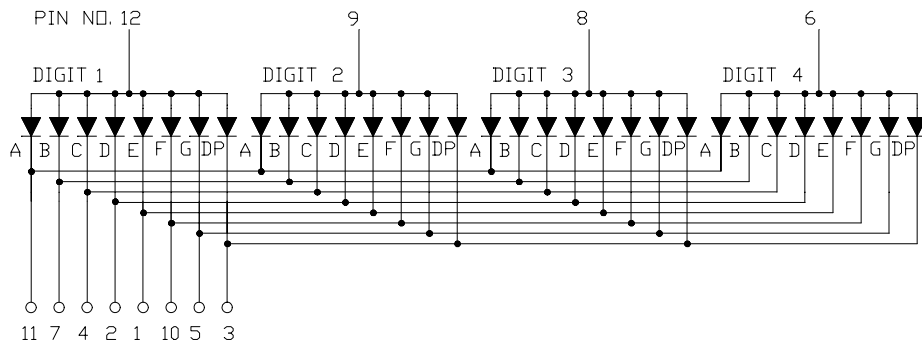
## MECHANICAL OUTLINE:



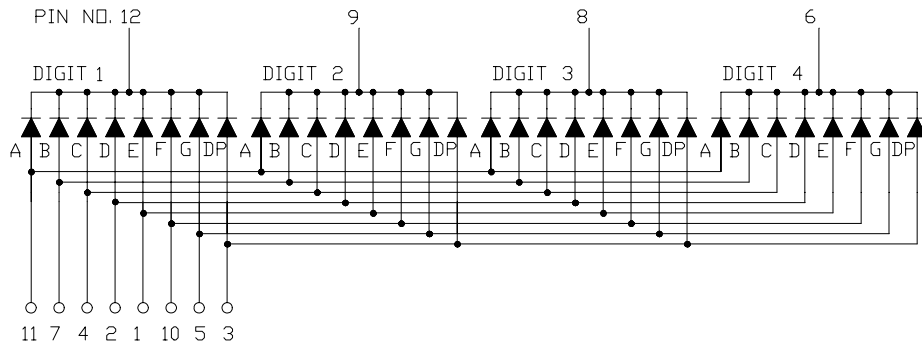
UNIT : MM(INCH)  
TOL :  $\pm 0.3\text{MM}(0.012")$   
NO SCALE

## CIRCUIT DIAGRAM:

(A) COMMON ANODE



(B) COMMON CATHODE



REV : B  
06/5/9