

MICRO

ELECTRONICS

MG1401A/C
MO1401A/C
MY1401A/C
MU1401A/C

4.0" SINGLE DIGIT
LARGE NUMERIC DISPLAYS

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP, GaAlAs Dice

4.0 inch Character Height

Continuous Uniform Segments

High Contrast

Wide Viewing Angle

Common Anode - MG1401A, MO1401A, MY1401A, MU1401A

Common Cathode - MG1401C, MO1401C, MY1401C, MU1401C

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

| | MG1401 | MO1401 | MY1401 | MU1401 | UNIT |
|--------------------------------------|--------|------------|--------|--------|------|
| Power Dissipation / Segment | 375 | 300 | 500 | | mW |
| Peak Forward Current / Segment | 100 | 80 | 200 | | mA |
| Continuous Forward Current / Segment | 25 | 20 | 40 | | mA |
| Reverse Voltage / Segment | 5 | 5 | 5 | | V |
| Operating Temperature Range | | -25 to +85 | | | °C |
| Storage Temperature Range | | -25 to +85 | | | °C |

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | | SYMBOL | MG1401 | MO1401 | MY1401 | MU1401 | UNIT | CONDITIONS |
|--------------------------|-----|-----------------|--------|--------|--------|--------|---------|------------|
| Forward Voltage | MAX | VF / Seg | 15 | 15 | 15 | 12 | V | IF=20mA |
| | | VF / Dp | 3.0 | 3.0 | 3.0 | 2.4 | | |
| Luminous Intensity | MIN | IV | 8.0 | 6.0 | 5.0 | 12 | mcd | IF=10mA |
| Segment to Segment | MAX | | 2:1 | 2:1 | 2:1 | 2:1 | | IF=20mA |
| Luminous Intensity Ratio | | | | | | | | |
| Peak Wavelength | TYP | λ_p | 570 | 630 | 585 | 660 | nm | IF=20mA |
| Spectral Line Half Width | TYP | $\Delta\lambda$ | 30 | 40 | 40 | 20 | nm | IF=20mA |
| Reverse Current | MAX | IR | 100 | 100 | 100 | 100 | μA | VR=5V |

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MICRO ELECTRONICS LTD.

38, Hung To Road, Microtron Building, Kwun Tong, Kowloon, Hong Kong.

Kwun Tong P.O. Box 69477 Hong Kong. Fax No. 2341 0321 Telex:43510 Micro Hx. Tel: 2343 0181-5

Mar-99

MG1401A
MO1401A
MY1401A
MU1401A

[illegible]

MG1401C
MO1401C
MY1401C
MU1401C