

MICRO ELECTRONICS

MS241A/C
MG241A/C
MY241A/C
MO241A/C

0.4" DUAL DIGIT
NUMERIC DISPLAYS

SEVEN SEGMENT NUMERIC DISPLAY

High Performance GaP, GaAsP Dice
0.4 inch Character Height
High Contrast
Wide Viewing Angle
Common Anode - MS241A, MG241A, MY241A, MO241A
Common Cathode - MS241C, MG241C, MY241C, MO241C

ABSOLUTE MAXIMUM RATINGS

| | MS241 | MY241 | MG241 | MO241 | UNIT |
|--------------------------------------|------------|-------|-------|-------|------|
| Power Dissipation / Segment | 40 | 60 | 75 | | mW |
| Peak Forward Current / Segment | 60 | 80 | 100 | | mA |
| Continuous Forward Current / Segment | 15 | 20 | 25 | | 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)

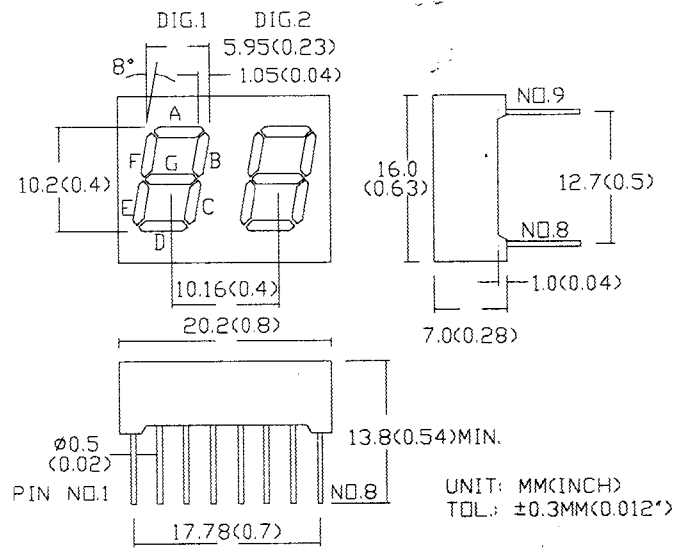
| PARAMETER | SYMBOL | MS241 | MG241 | MY241 | MO241 | UNIT | CONDITIONS |
|--------------------------|--------|-------|-------|-------|-------|------|------------|
| Forward Voltage | MAX VF | 3.0 | 3.0 | 3.0 | 3.0 | V | IF=20mA |
| Luminous Intensity | MIN IV | 350 | 1300 | 860 | 1050 | mcd | IF=10mA |
| Segment to Segment | MAX | 2:1 | 2:1 | 2:1 | 2:1 | | IF=20mA |
| Luminous Intensity Ratio | | | | | | | |
| Peak Wavelength | TYP λp | 700 | 570 | 585 | 630 | nm | IF=20mA |
| Spectral Line Half Width | TYP Δλ | 100 | 30 | 35 | 40 | nm | IF=20mA |



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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

