

MICRO ELECTRONICS

MOG1288C

THREE COLOR
EMITTED LED DOT
MATRIX DISPLAY

FEATURES :

Three emitted color : High efficiency red, green, orange
(The mixture of high efficiency red and green)
Anode column, Cathode row (MOG1288A);
Cathode column, Anode row (MOG1288C)
High contrast
Wide viewing angle
8 x 8 matrix array with row-column select
Regged encapsulation (Filled reflector construction)
End & side stackable

ABSOLUTE MAXIMUM RATINGS

| | |
|--|--------------|
| Power Dissipation / Dot | 75mW |
| Peak Forward Current / Dot* | 100mA |
| Continuous Forward Current / Dot | 25mA |
| Reverse Voltage / Dot | 5V |
| Operating Temperature Range | -25 to +80°C |
| Storage Temperature Range | -20 to +75°C |
| Lead Temperature (Soldering 5 sec., 1/16" from body) | 260°C |

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

ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

| PARAMETER | | SYMBOL | Hi-Eff. Red | Green | UNIT | CONDITIONS |
|-------------------------------------|-----|--------|-------------|-------|------|------------|
| Forward Voltage | MAX | VF | 3.0 | 3.0 | V | IF=20mA |
| Luminous Intensity | MIN | IV | 1.5 | 1.8 | mcd | IF=10mA |
| | TYP | | 2.2 | 3.0 | | |
| Dot to Dot Luminous Intensity Ratio | MAX | | 2:1 | 2:1 | | IF=10mA |
| Reverse Current Any Bar | MAX | IR | 100 | 100 | μA | VR=5V |
| Peak Wavelength | TYP | λp | 630 | 565 | nm | IF=20mA |
| Spectral Line Half Width | TYP | Δλ | 40 | 30 | nm | IF=20mA |

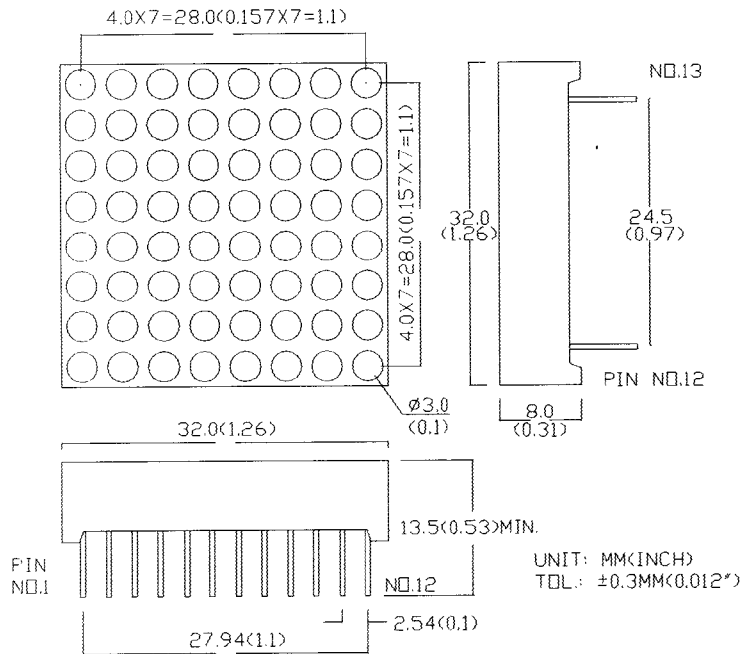


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MECHANICAL OUTLINE:



CIRCUIT DIAGRAM:

