

## Features:

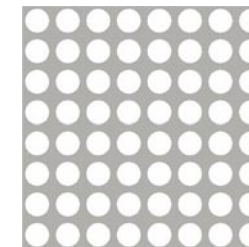
- High dot intensity
- Wide viewing angle
- Grey face colour
- Water clear dot

## Available options:

- Alternative face colour
- Cropped terminal pins

## Dot Layout

Product not shown  
actual size



## Electro / Optical Characteristics - $I_F = 20 \text{ mA}$    $T_a = 25^\circ \text{ C}$

| Part Number<br>Column Cathode | Part Number<br>Column Anode | Emitting<br>Colour | Wavelength<br>Peak $\lambda_p$ | Forward Voltage $V_F$ |      | Luminous Intensity $I_V$   |         |
|-------------------------------|-----------------------------|--------------------|--------------------------------|-----------------------|------|----------------------------|---------|
|                               |                             |                    |                                | typical               | max  | min                        | typical |
| FND-5881R0770CGC              | FND-5882R0770CGC            | Red                | 632                            | 2.00                  | 2.40 | -                          | 165     |
| FND-5881O0370CGC              | FND-5882O0370CGC            | Orange             | 611                            | 2.00                  | 2.40 | -                          | 119     |
| FND-5881Y0530CGC              | FND-5882Y0530CGC            | Yellow             | 591                            | 2.05                  | 2.40 | -                          | 66      |
| FND-5881Y0460CGC              | FND-5882Y0460CGC            | Yellow             | 591                            | 2.00                  | 2.40 | -                          | 133     |
| FND-5881G0440CGC              | FND-5882G0440CGC            | Green              | 573                            | 2.05                  | 2.40 | -                          | 58      |
| FND-5881G030CGC               | FND-5882G030CGC             | Green              | 518                            | 3.70                  | 4.20 | -                          | 199     |
| FND-5881G060CGC               | FND-5882G060CGC             | Green              | 502                            | 3.70                  | 4.20 | -                          | 214     |
| FND-5881B030CGC               | FND-5882B030CGC             | Blue               | 468                            | 3.70                  | 4.20 | -                          | 66      |
| Units                         |                             |                    | nm                             | V                     |      | mcd / dot (matrix average) |         |

## Maximum Ratings    $T_a = 25^\circ \text{ C}$ ( Derate above $25^\circ \text{ C}$ )

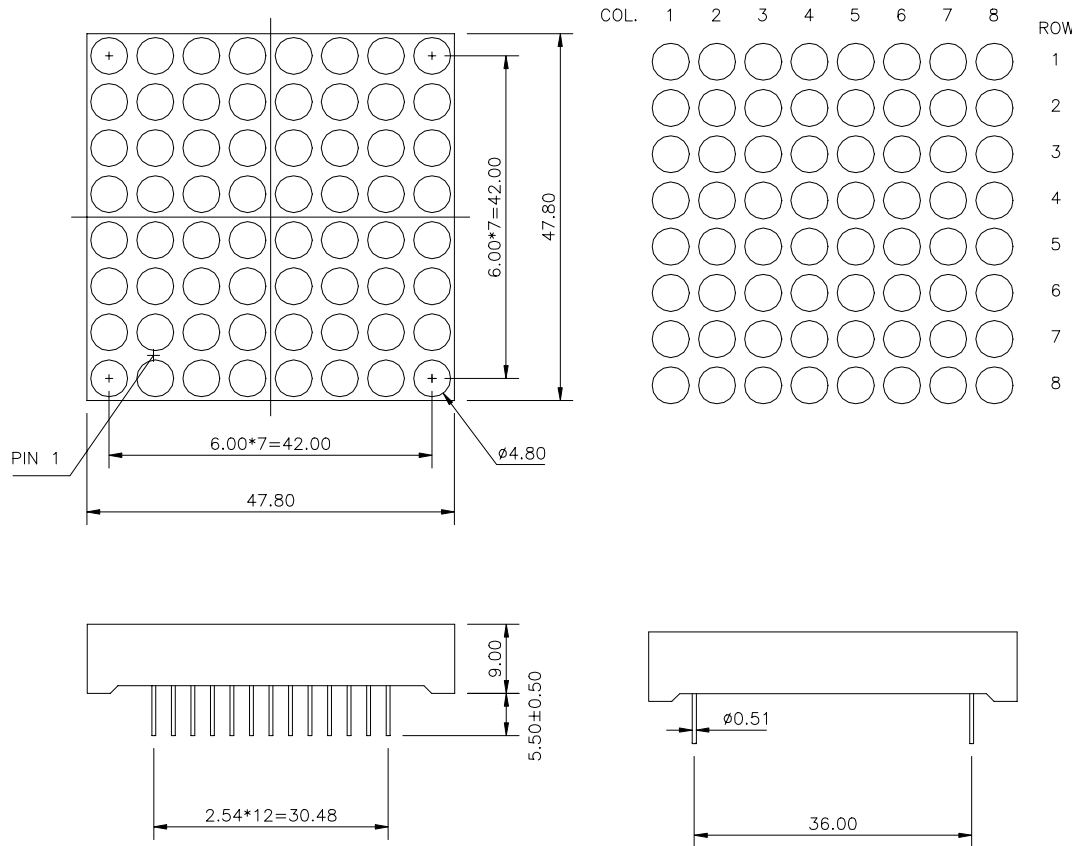
| Characteristic             | Condition                        | Symbol    | Rating       | Units              |
|----------------------------|----------------------------------|-----------|--------------|--------------------|
| Pulse Forward Current      | 0.1 duty cycle @ 1KHz            | $I_{FP}$  | 100          | mA                 |
| DC Forward Current         |                                  | $I_F$     | 25           | mA                 |
| Reverse Voltage            | $I_R = 10 \mu\text{A}$           | $V_R$     | 5            | V                  |
| Operating Temperature      |                                  | $T_{opr}$ | - 25 to + 80 | $^\circ \text{ C}$ |
| Storage Temperature        |                                  | $T_{stg}$ | - 30 to + 85 | $^\circ \text{ C}$ |
| Lead soldering temperature | 1.6 mm from body - max 3 seconds |           | 260          | $^\circ \text{ C}$ |

## Note

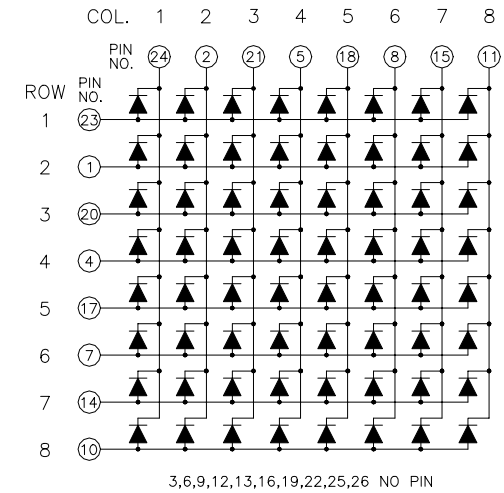
Industry standard procedures regarding static must be observed when handling product produced with 468 nm blue and 502 / 518.nm green die material.



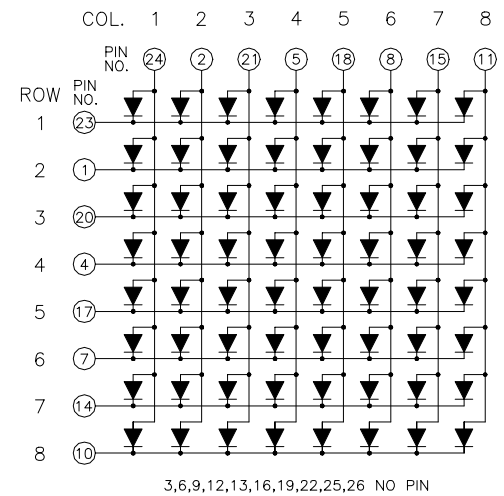
## Package Outline



## Column Cathode



## Column Anode



Tolerance  $\pm 0.25$  mm unless stated



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