

|           |        |
|-----------|--------|
| Model No. | OSMSXX |
| REV.      | C5     |

## PRODUCT SPECIFICATION FOR **LED Ribbon Light**

### Descriptions:

- Linear separable LED strip on flexible printed circuit board with self-adhesive back
- Long life, easy installation
- Voltages available 12VDC
- LED Type: SMD LED, 5.0x5.0mm, 120deg

### Features:

- Available in red, orange, yellow, green, blue, white, etc
- Directly use on line voltage
- Low power consumption, high intensity
- Energy saving
- Excellent beam control
- Long life

### Application:

- Channel letter signs
- Indirect accent décor light
- Large area back lighting
- Under counter light
- Decorate building's contour
- Substitute neon light

### Product Picture:



|           |        |
|-----------|--------|
| Model No. | OSMSXX |
| REV.      | C5     |

### Device Selection Guide

| Module No. | Color      | Dom. Wavelength (Typ.) | Intensity / Per LED (Typ.) |
|------------|------------|------------------------|----------------------------|
| OSMSR5     | Red        | 625±5nm                | 1120 mcd                   |
| OSMSO5     | Orange     | 605±5nm                | 1120 mcd                   |
| OSMSY5     | Yellow     | 590±5nm                | 1120 mcd                   |
| OSMSG5     | Green      | 525±5nm                | 3000 mcd                   |
| OSMSB5     | Blue       | 470±5nm                | 1560 mcd                   |
| OSMSW5     | White      | X=0.27 ; Y=0.28        | 7000 mcd                   |
| OSMSM5     | Warm White | X=0.45 ; Y=0.41        | 5000 mcd                   |
| OSMSK5     | Pink       | X=0.45 ; Y=0.17        | 1900 mcd                   |

### Absolute Maximum Ratings(Ta=25 )

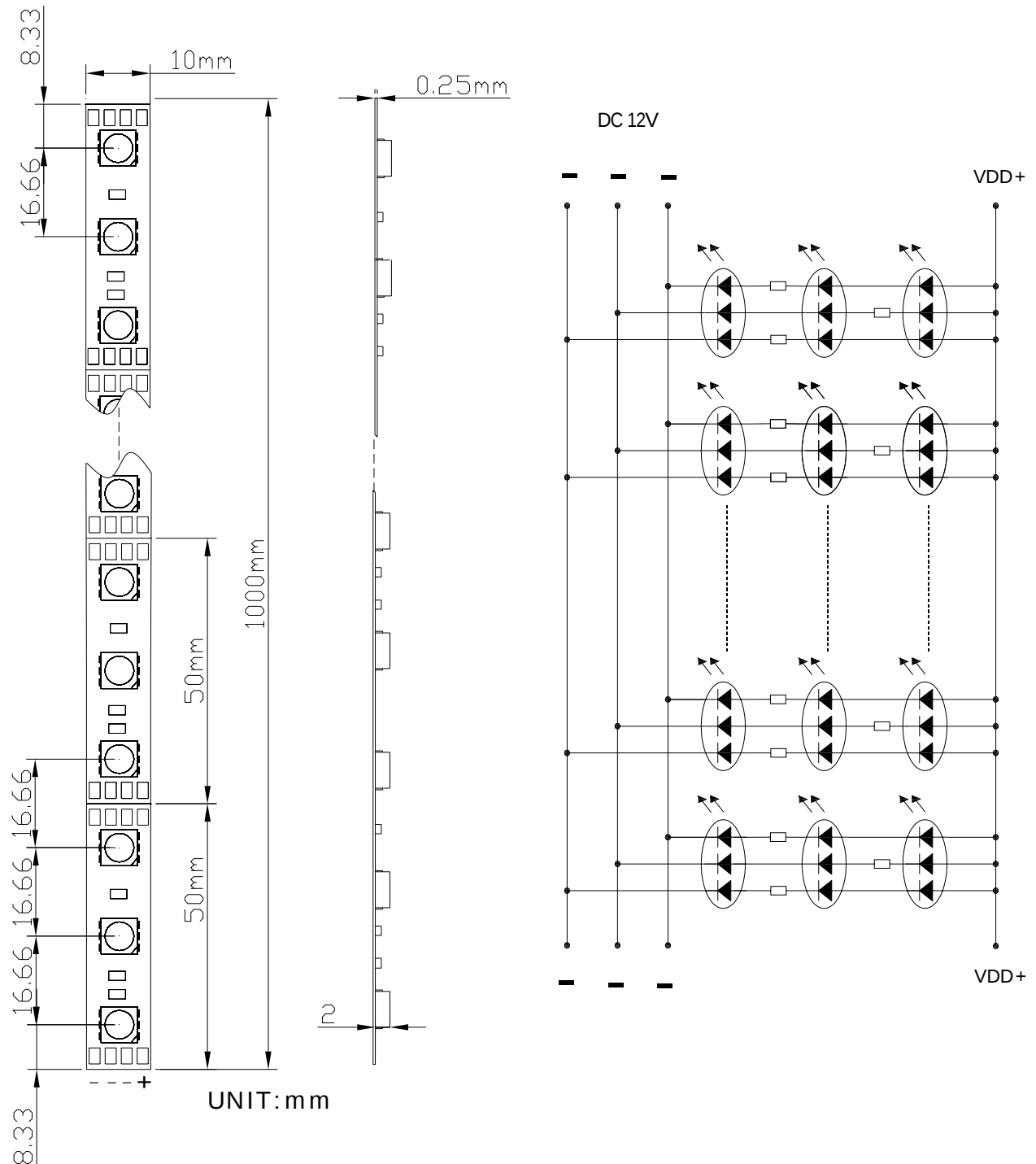
| Items                        | Symbol           | Values    | Units |
|------------------------------|------------------|-----------|-------|
| Operating Supply Range(DC)   | V <sub>dc</sub>  | 14        | V     |
| Input Current (DC)           | I <sub>i</sub>   | 1.8       | A     |
| Power Dissipation            | P <sub>a</sub>   | 25.2      | W     |
| LED Light Source Temperature | T <sub>led</sub> | 105       | DegC  |
| Operating Temperature        | T <sub>ope</sub> | -10 ~ +40 | DegC  |
| Storage Temperature          | T <sub>sto</sub> | -20 ~ +80 | DegC  |

### Typical Performance (Ta=25 )

| Items                                   | Symbol            | Min. | Typ. | Max. | Units |
|-----------------------------------------|-------------------|------|------|------|-------|
| LED Module Power                        | P <sub>m</sub>    | -    | 14.4 | 25.2 | w     |
| Input Voltage(DC)                       | V <sub>i</sub>    | -    | 12   | 14   | V     |
| Product Input Current                   | I <sub>f</sub>    | -    | 1.2  | 1.8  | A     |
| Beam Pattern                            | BP                | -    | 120  | -    | Deg   |
| Total Length of Modules (Including Pin) | L <sub>mod.</sub> | -    | 1000 | -    | mm    |
| LED Quantity of Every Meter             | OTY               | -    | 60   | -    | PCS   |
| Net Weight                              | Wei.              | ---  | 16   | ---  | g     |

|           |        |
|-----------|--------|
| Model No. | OSMSXX |
| REV.      | C5     |

## Product Dimensions:



|           |        |
|-----------|--------|
| Model No. | OSMTXX |
| REV.      | C5     |

## Applied Product Electrical Connection Schematic Diagram:

