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| Model No. | OSMTXX |
| 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:



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Device Selection Guide

| Module No. | Color | Dom. Wavelength (Typ.) | Intensity / Per LED (Typ.) |
|------------|------------|------------------------|----------------------------|
| OSMTR5 | Red | 625±5nm | 1120 mcd |
| OSMTO5 | Orange | 605±5nm | 1120 mcd |
| OSMTY5 | Yellow | 590±5nm | 1120 mcd |
| OSMTG5 | Green | 525±5nm | 3000 mcd |
| OSMTB5 | Blue | 470±5nm | 1560 mcd |
| OSMTW5 | White | X=0.27 ; Y=0.28 | 7000 mcd |
| OSMTM5 | Warm White | X=0.45 ; Y=0.41 | 5000 mcd |
| OSMTK5 | Pink | X=0.45 ; Y=0.17 | 1900 mcd |

Absolute Maximum Ratings(Ta=25)

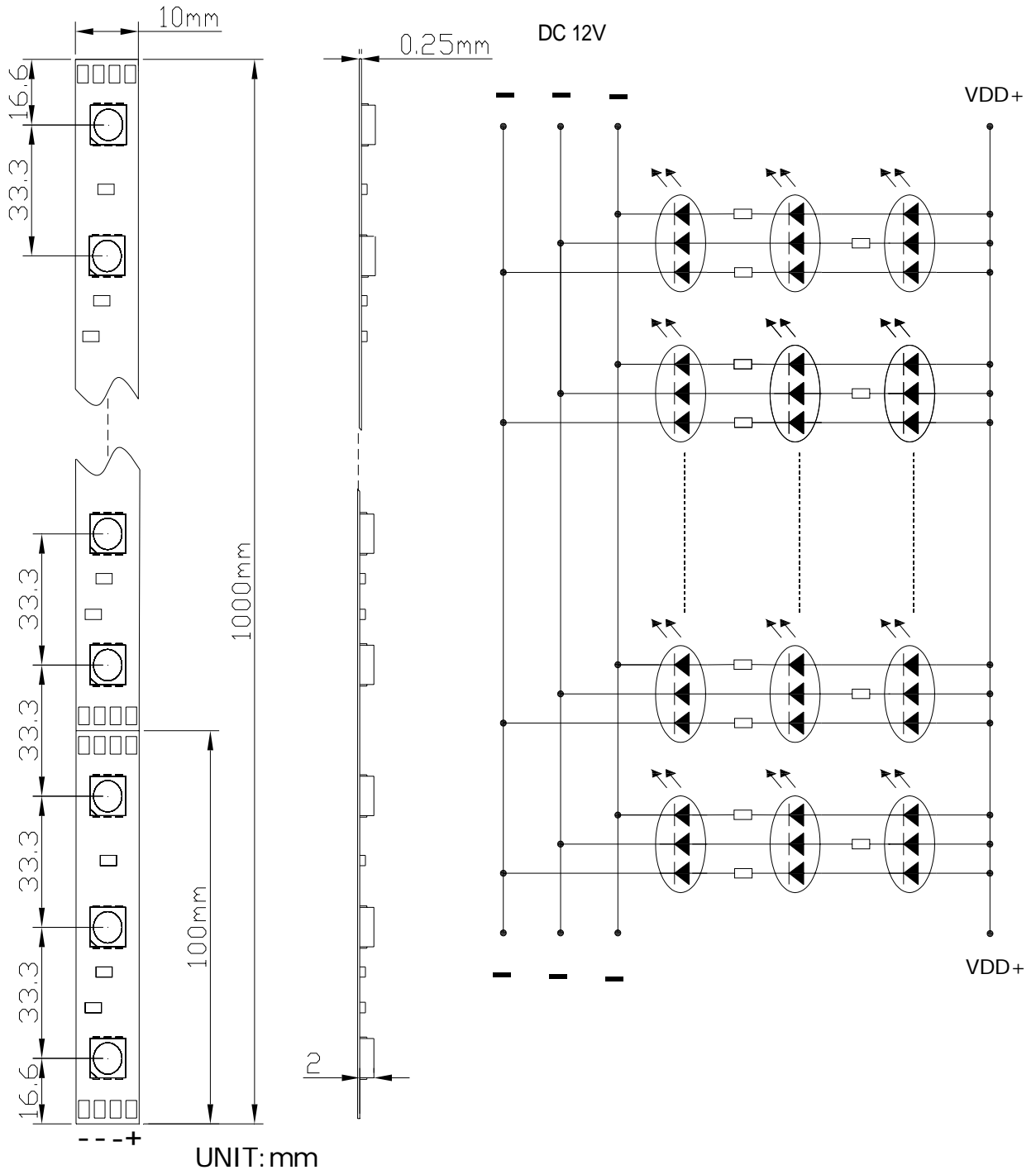
| Items | Symbol | Values | Units |
|------------------------------|------------------|-----------|-------|
| Operating Supply Range(DC) | V _{dc} | 14 | V |
| Input Current (DC) | I _i | 0.9 | A |
| Power Dissipation | P _a | 12.6 | W |
| LED Light Source Temperature | T _{led} | 105 | DegC |
| Operating Temperature | T _{ope} | -10 ~ +40 | DegC |
| Storage Temperature | T _{sto} | -20 ~ +80 | DegC |

Typical Performance (Ta=25)

| Items | Symbol | Min. | Typ. | Max. | Units |
|---|-------------------|------|------|------|-------|
| LED Module Power | P _m | - | 7.2 | 12.6 | w |
| Input Voltage(DC) | V _i | - | 12 | 14 | V |
| Product Input Current | I _f | - | 0.6 | 0.9 | A |
| Beam Pattern | BP | - | 120 | - | Deg |
| Total Length of Modules (Including Pin) | L _{mod.} | - | 1000 | - | mm |
| LED Quantity of Every Meter | OTY | - | 30 | - | PCS |
| Net Weight | Wei. | --- | 12 | --- | g |

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Product Dimensions:



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Applied Product Electrical Connection Schematic Diagram:

