

Model No.	OSBF50E15G3-XXXXS4C1A-X
REV.	B2

## 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 5050

### 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:

- Auto lighting
- 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.)
OSR5RTS4C1A	Red	625±5nm	1120 mcd
OSO5STS4C1A	Orange	605±5nm	1120 mcd
OSY5RTS4C1A	Yellow	590±5nm	1120 mcd
OSG5DTS4C1A	Green	525±5nm	3000 mcd
OSB5STS4C1A	Blue	470±5nm	1560mcd
OSW5DTS4C1A	White	X=0.31;Y=0.32	7000mcd
OSM5DTS4C1A	Warm White	X=0.49;Y=0.45	5000mcd
OSK5DTS4C1A	Pink	X=0.49;Y=0.21	1900mcd
OSTFDBS4C1A	Red	625±5nm	750mcd
	Green	525±5nm	1120mcd
	Blue	470±5nm	400mcd

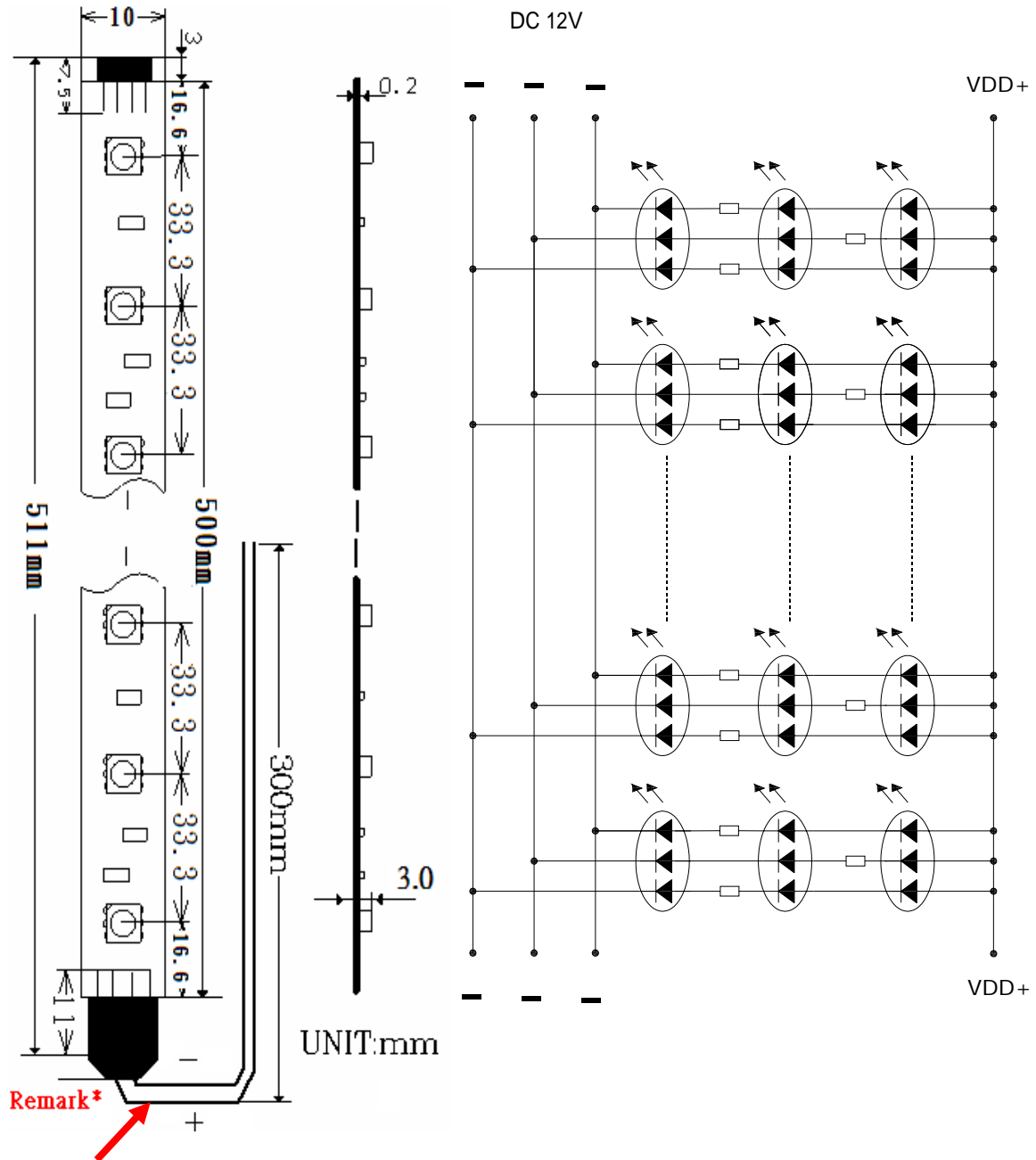
### Absolute Maximum Ratings(Ta=25 )

Items	Symbol	Values	Units
Operating Supply Range(DC)	V <sub>dc</sub>	14	V
Input Current (DC)	I <sub>i</sub>	0.45	A
Power Dissipation	P <sub>a</sub>	6.3	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>	-	3.6	6.3	w
Input Voltage(DC)	V <sub>i</sub>	-	12	14	V
Product Input Current	I <sub>f</sub>	-	0.3	0.45	A
Beam Pattern	BP	-	120	-	Deg
Total Length of Modules (Including Pin)	L <sub>mod.</sub>	-	511	-	mm
Net Weight	Wei.	---	15	---	g

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**Product Dimensions:**


Remark:

- 1) For single color, use 2-wire (Red, black) external connection wire in which three internal “-“ shorted.
- 2) For RGB color, use 4-wire (Yellow, Green, Red, Blue) external connection wire.

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**Packing information:**

Box Dimensions  
Unit: mm

