

# 3528 SMD STRIP

## Applications

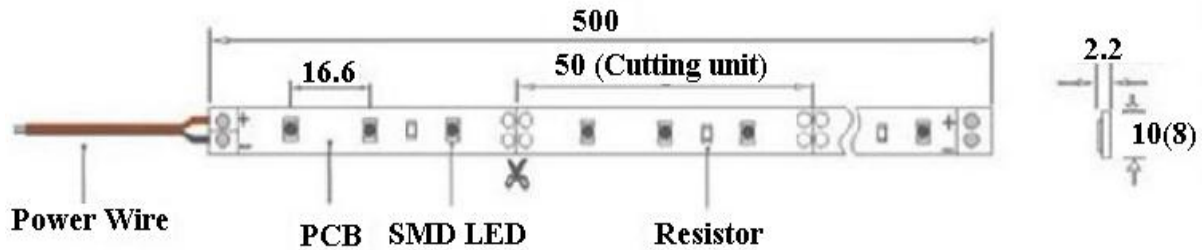
- u Car decoration
- u Architectural decorative lighting
- u Archway, canopy and bridge edge lighting
- u Auditorium walkway lighting
- u Backlighting for signage letters
- u Channel letter lighting



## Products features

- u Flexible PCB with self-adhesive back
- u Lighting angle 120 degrees
- u Available colors: Red/Green/Blue/Yellow/White/Warm White
- u Work voltage: DC12V/DC24V
- u Epoxy coating waterproof IP64

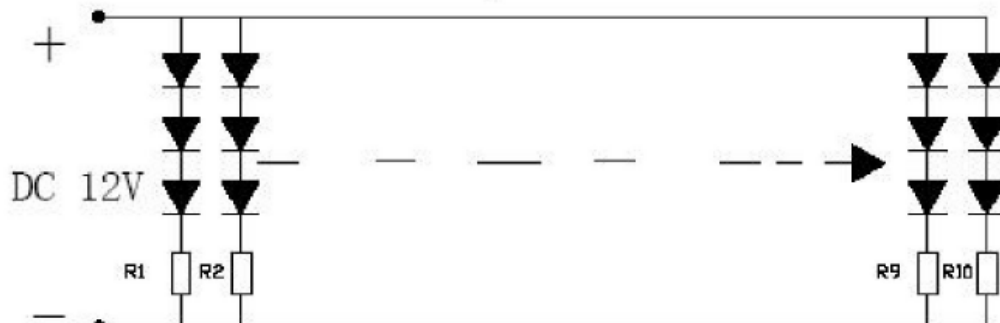
## Dimension



## Notes

- 2 All dimension units are mm
- 2 All dimension tolerance is +1mm unless specially indicated

## Schematic Diagram



## Specifications

**Note:** Electrical parameters are based on 0.5M strip

### Absolute Maximum Rating at TA=25°C

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	200	mA
Power Consumption	PD	2.4	W
Electrostatic discharge	ESD	2000	V
Operating Temperature	Topr	-25 ~ 60	°C
Storage Temperature	Tstg	-40 ~ 80	°C

### Electrical & Optical Characteristics at TA=25°C

Parameter	Symbol	Condition	Typ	Unit
Forward Voltage DC	VF	IF=200mA	12	V
Dominant Wave Length	$\lambda_D$	IF=200mA	~	nm
Luminous Flux	$\phi_V$	IF=200mA	100	LM
Recommended Forward Current	IF(rec)	~	200	mA

### Basic Technical Data

Code	Color	LED Qty.	Luminous	Viewing Angle	Wave Length	Current	Voltage
		PCS	LM			mA	(DC)V
J3528R30A080E12(/24)-2	Red	30	30~35	120°C	620 ~ 630	180~200	12/24
J3528Y30A080E12(/24)-2	Yellow	30	25~30	120°C	585 ~ 595	180~200	12/24
J3528B30A080E12(/24)-2	Blue	30	20~25	120°C	455 ~ 470	180~200	12/24
J3528G30A080E12(/24)-2	Green	30	60~70	120°C	510 ~525	180~200	12/24
J3528W30A080E12(/24)-2	White	30	90~110	120°C	6000-7000K	180~200	12/24
J3528WW30A080E12(/24)-2	Warm White	30	80~ 100	120°C	3000-3500K	180~200	12/24

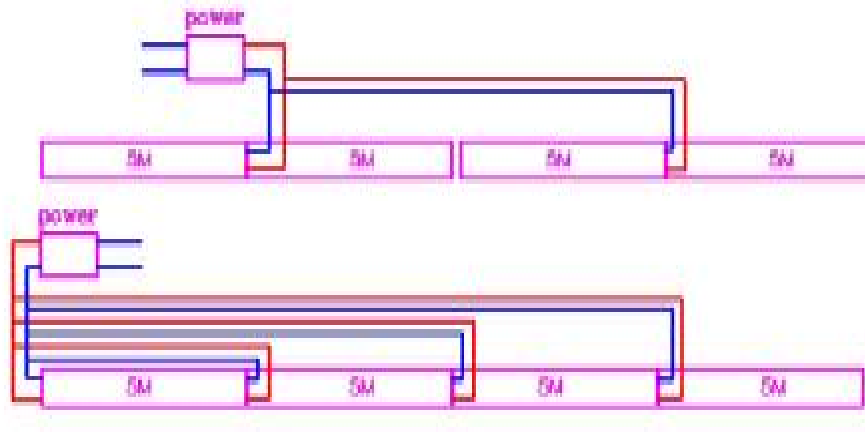
**Packing Means:** 5M/Reel

**Waterproof:** Epoxy coating (IP64)

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## USAGE

### U Recommended Connection Method



### U Cautions

- ⚠ Please choose the correct power supply for the strips to make sure that they all work under the correct stable power.
- ⚠ We strongly suggest that max length for the strip is 5M, otherwise, LEDs on the end of the strip may not have the same luminous intensity as those at the front. If it is need to connect some strips, connect them following the instruction “recommended Connection Method”.
- ⚠ With the self-adhesive at the back, the strip can be attached to any clear glass, metal and plastic surface, but some surface such as cloth, wood, will affect the fuction.
- ⚠ Max bending radius is 10mm for the strip, please pay attention to avoide crush the components on the PCB because it cause damage to the strip.