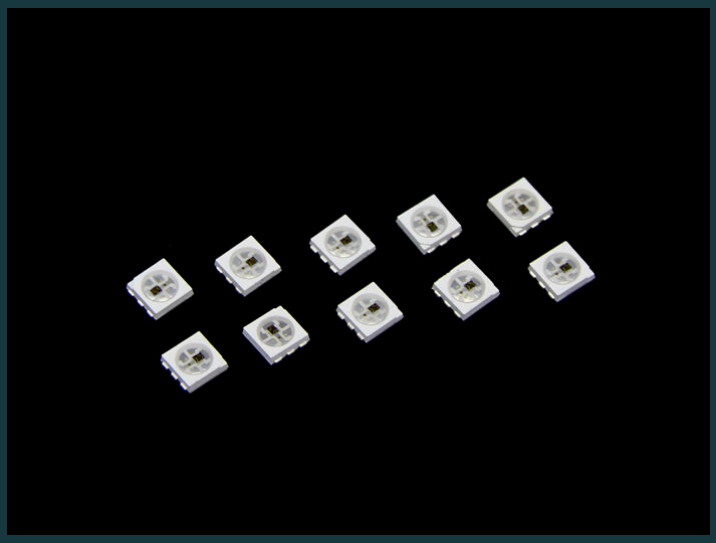
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INDUSTRIAL PRODUCT DATASHEET

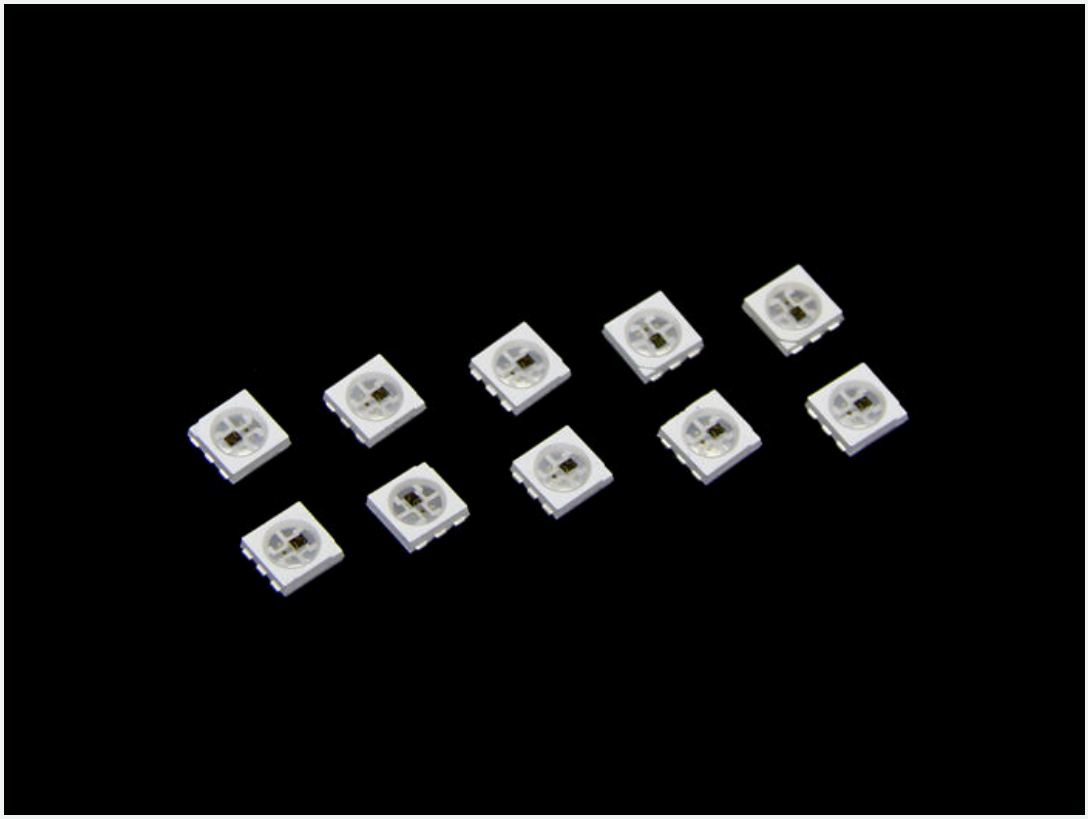
WS2812 RGB LED with Integrated Driver Chip (10 PCs pack)

WS2812 RGB LED with Integrated Driver Chip (10 PCs pack): 10-pack of addressable RGB LEDs with integrated control circuit and cascading capability for vibrant lighting projects.

SKU	UPDATED	PRICE
800004001	2024-08-09 02:09:42	$3.90(Excl. VAT)



Overview



The WS2812 is an intelligent RGB LED with an integrated driver chip in a 5050 package, providing built-in signal reshaping, constant current control, and cascading data transmission. This pack includes 10 units of 8mm LEDs, each capable of 256 brightness levels and 16.7 million colors with low driving voltage and long life.

Key Features

Replacement: 800052001

WS2812 is an intelligent control LED light source that the control circuit and RGB chip are integrated in a package of 5050 components. It includes intelligent digital port data latch and signal reshaping amplification drive circuit. Also include a precision internal oscillator and a 12V voltage programmable constant current control part, effectively ensuring the pixel point light color height consistent.

LED with low driving voltage, environmental protection and energy saving, high brightness, scattering angle is large, good consistency, low power, long life and other advantages. The control chip integrated in LED above becoming more simple circuit, small volume, and convenient installation.

Please note that this is a pack including 10 units 8mm RGB LEDs.

Features

- Integrating control circuit and RGB chip
- Built-in signal reshaping circuit
- Built-in electric rest circuit and power lost reset circuit
- 256 brightness and 16777216 color display
- Cascading port transmission signal

Specifications

- Red Vf: 1.8~2.2V
- Green Vf: 3.0~3.2V
- Blue Vf: 3.2~3.4V
- Red Wavelength: 620~630 nm
- Green Wavelength: 515~530 nm
- Blue Wavelength: 465~475 nm
- Red luminous intensity(20mA): 550~700 mcd
- Green luminous intensity(20mA): 1100~1400mcd
- Blue luminous intensity(20mA): 200~400 mcd

Documents

- Datasheet
- Example Code

Resource Links

- https://www.seeedstudio.com/WS2812-RGB-LED-with-Integrated-Driver-Chip-10-PCs-pac-p-1611.html

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