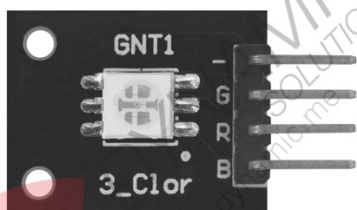


RGB SMD LED Sensor KY-009



Features:

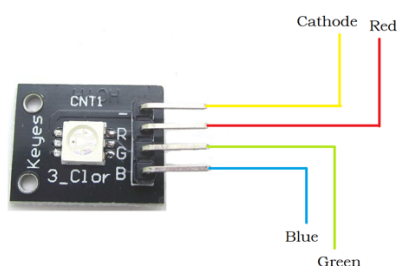
The KY-009 RGB SMD LED sensor module integrates a 5050 full-color LED with separate PWM inputs for red, green, and blue channels. The module includes current-limiting resistors to prevent burnout. By adjusting each channel via PWM, it produces full-color light mixing. Compatible with Arduino and other microcontroller platforms, the module is ideal for visual indicators, lighting effects, and DIY electronics applications.

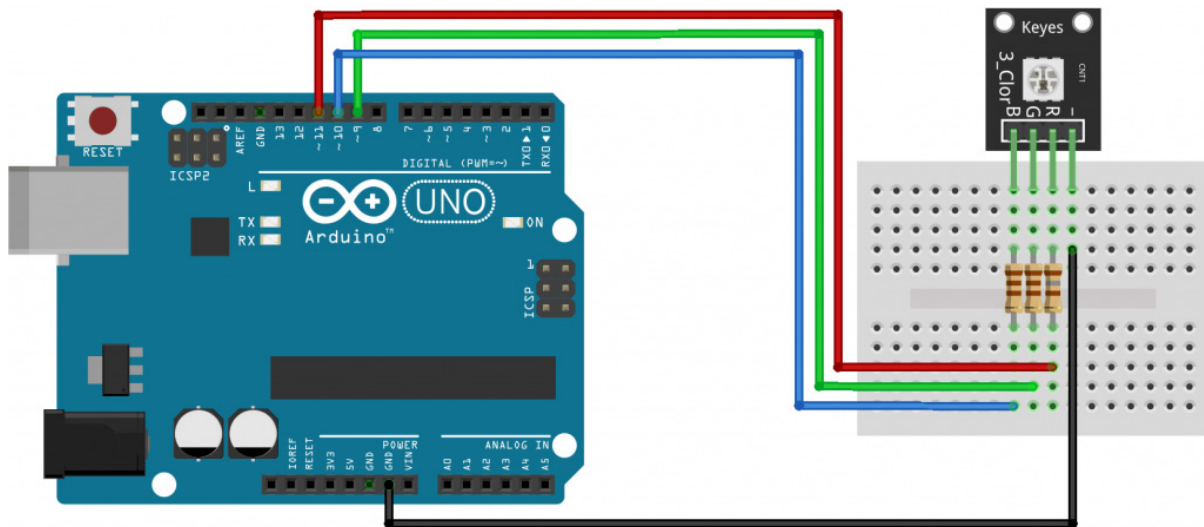
Specifications

LED Type	5050 RGB SMD LED
Working Voltage	5V DC
LED Drive Mode	Common cathode
Red Forward Voltage	1.8 ~ 2.1V
Green Forward Voltage	3.0 ~ 3.2V
Blue Forward Voltage	3.0 ~ 3.2V
Red Wavelength	620 ~ 625 nm
Green Wavelength	520 ~ 525 nm
Blue Wavelength	465 ~ 470 nm
Usage	Arduino projects, full-color lighting effects, visual indicators, DIY electronics

Pinouts:

Pin Name	Type	Description
R	Analog	PWM input for Red LED
G	Analog	PWM input for Green LED
B	Analog	PWM input for Blue LED
-	Power	Ground connection





Product Pictures:

