First, the module Scope:
1. As square wave signal generator which generates a square wave signal for experimental development use.
2. used to generate drive stepper motor drives a square wave signal.
3. produce adjustable pulse for MCU to use.
4. Have an adjustable pulse control-related circuits.
Second, a brief description:
1. Size: 3.1CM * 2.2CM
1, the main chip: NE555;
2, the input voltage: 5V-15VDC. 5V supply, the output current can be around 15MA; when 12V power supply, output current is about 35MA;
3, the input current: ≥100MA
4, the output amplitude:. 4.2V V-PP to 11.4V V-PP (different depending on the input voltage, the output amplitude will be different)
5, the maximum output current: ≥15MA (5V supply, V-PP is greater than 50%), ≥35MA (12V power supply, V-PP is greater than 50%)

Three Advantages:
1, the output with LED indication, there is no straightforward output (low level LED volume, high LED off frequency is relatively low LED flashing);
2, the output frequency range of grades available, the output frequency is more continuously adjustable;
Low-profile: 1Hz ~ 50Hz
IF file: 50Hz ~ 1kHz
High-frequency gear: 1KHz ~ 10kHz
High Frequency file: 10kHz ~ 200kHz
3, you can fine-tune the output duty cycle, duty cycle and frequency than separately adjustable duty cycle will change the frequency modulation;
4, the output frequency is adjustable;
Cycle T = 0.7 (RA + 2RB) C
RA, RB is adjustable 0-10K;
When the low-profile C = 0.001UF;
When IF shift C = 0.1UF;
High-frequency gear C = 1UF;
When high-frequency gear C = 100UF, therefore frequency waveform buyers can own calculations.