

## 2 Phase stepper motor driver BF0220

### Characteristics:

- 1.DC power input type:12V~36VDC ,
- 2.Output current:0.25A-2.0A
- Mircostepping:1(1.8°)、1/2、1/4、1/8、1/16、1/32、1/64、1/128
- Pulse/rev: 200,400,800,1600,3200,6400,12800,25600
- 3.Dimensions: 96mm×60mm×24.5mm
- 4.Weight: <200g.
- 5.Working environment: Temperature-15~80℃

### I/O Ports:

- 1.GND,: VDC+: it input DC power  
**Note:**Must guard against exceeding 36V,  
 so as not to damage the module
- 2.A+、 A-: Stepping motor one winding
- 3.B+、 B-: Stepping motor other winding
- 4.PUL : Stepping pulse input
- 5.DIR: Stepping motor direction input
- 6.VCC: power supply port for inside optical coupling
- 7.EN: motor free

### NOTE:

1. When ambient temperature is high or working current over 1.05A, fix the module on big metal shell , or use axle flows fan dispels the heat, to make the module run reliably for a long time.
2. Half current automatically: if control machine not send out signal in half second, driver enter half current state of automatically for electricity saving, the phase current of the winding of the electric

### Switch Choice:

#### 1、Microstepping choice:

SW5	On	Off	On	Off	On	Off	On	Off
SW6	On	On	Off	Off	On	On	Off	Off
SW7	On	On	On	On	Off	off	Off	Off
Micro	1	2	4	8	16	32	64	128

#### 2、Current choice:

SW1	Off	On	Off	On	Off	On	Off	On
SW2	Off	Off	On	On	Off	Off	On	On
SW3	Off	Off	Off	Off	On	On	On	On
Current (A)	0.25	0.5	0.75	1.00	1.25	1.50	1.75	2.00

### 3、installation dimension

