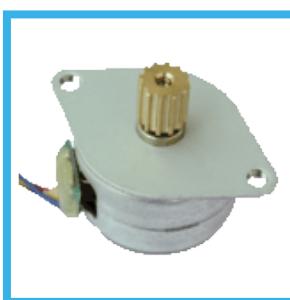


## 主な用途

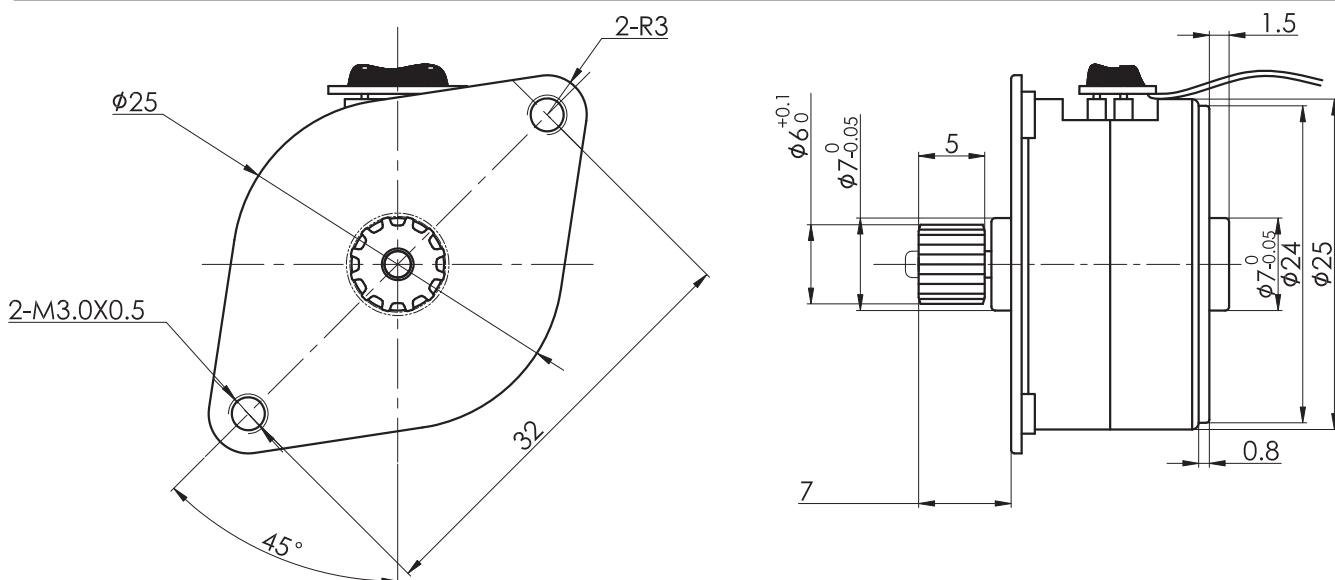
## Main Application



## 仕様

サイズ (mm)	
重量 (g)	
抵抗 ( $\Omega$ )	
定格電圧 (V)	
駆動波形	
励磁方法	

ステップ角	
ステップ精度	
ホールディングトルク	



## 25BY212-013M

## 備考


## 1.范围 (SCOPE)

本规格书适用于永磁步进马达，型号为 25BY212-013M

These specification applies to the permanent Magnet Type STEPPING MOTOR,  
Model name is 25BY212-013M

## 2.标准条件 (STANDARD CONDITIONS)

### 2.1 测定条件 (TESTING CONDITIONS)

#### 温度/湿度

测定的环境要在标准的温度 (20°C ± 2°C) 和湿度 (65% ± 5%RH) 条件下,但是在测定结果不会产生疑议的情况下可以在正常的温度(5°C ~ 35°C)和湿度(45%~85%)条件下进行。

#### #Temperature / Humidity

The testing environment must be a standard temperature / humidity conditions(the temperature of 20°C ± 2°C and humidity of 65% ± 5%). In case that a judgment would not bring about any doubts , tests can be done at normal temperature(5 °C ~ 35 °C) and normal humidity(45%~85%).

### 2.2 基本姿势 (BASIC PLACEMENT)

电机轴的基本状态为水平放置,否则的话需要双方协商后确定

Lead screw must be horizontal. However, placement except described above must be decided after discussion by each other.

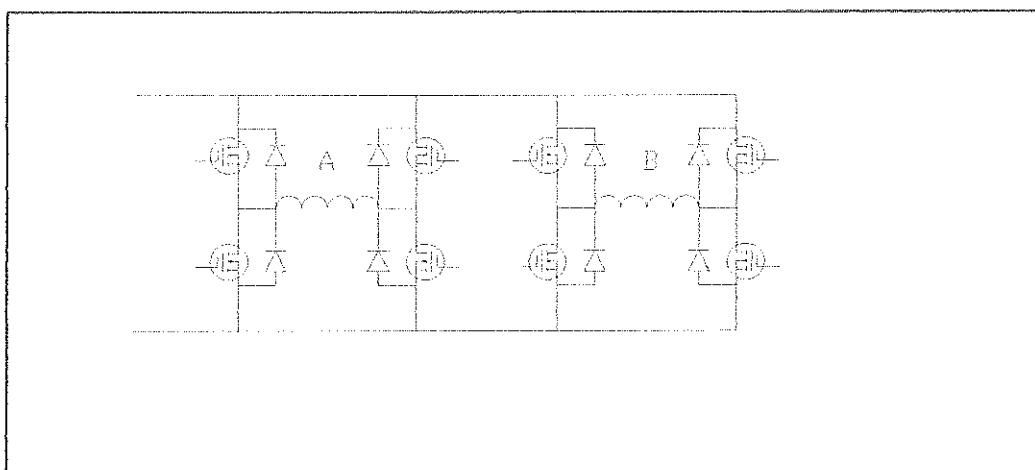
### 2.3 测定回路 (TESTING CIRCUIT)

所有性能的测定是在标准的驱动回路下测定的,参考以下回路图

Characteristics must be measured with the following standard circuit.

Standard Driving IC:

标准回路图 (Standard circuit)



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## 2.2. 机械性能 (MECHANICAL CHARACTERISTICS)

序号 No.	项目 ITEM	规格 SPECIFICATION	测定条件 TEST CONDITION	备注 REMARKS
1	自定位力矩 Detent torque	45gf. cm(参考) 45gf. cm(Ref.)	无励磁, 马达端子部开放 Each terminal opened No excitation	
2	外观 Appearance		无影响马达性能的生锈和变形, 如果必要的话, 树立限度样板进行管理 No damage and discoloration which may cause failure at standard Operating conditions , if necessary , submit the limit sample which is abided by each other	
3	重量 Weight	30g(Ref)	电子天平称量 Measured by electronic scale	Ref
4	输出机构 Output device			铜齿
5	噪音 Noise	50dB 以下 50dB <sub>max</sub>	12.0VDC 800Hz 驱动, 无负载, 离电机头部 10cm 测定 12.0VDC 800Hz driving , free load measured 10cm from the motor ***	
6	结构及尺寸 Construction		参考附件的外形图 Refer to the Outside drawing as a file attached	
7	输出轴轴向间隙 Out shaft thrust	0.5 以下 0.5max	输出轴顶端位置 At the tip of out shaft	
8	输出轴径向间隙 Out shaft deflection	0.1 以下 0.1max	离输出轴顶端 4mm 位置 4mm from the tip of out shaft	

\*\*\*噪音测定说明事项

仪器模式: A Filter fast mode

环境噪音小于 25dB

\*\*\*Noise Measuring explain

Measurement mode : A filter, Fast mode

Background noise : 25dB max.

## 2.3 环境性能 (ENVIRONMENTAL PERFORMANCE)

序号 No.	项目 (ITEM)	使用 (OPERATING)	运输、储存 (Transport/STORAGE)
1	温度 (Temperature)	-10°C ~ 50°C	-30°C ~ 80°C
2	Humidity	20~90%RH 不结露 Non-condensing	8~90%RH 不结露 Non-condensing

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