

Standard Operating Condition:

标准使用条件

1-1	Rated voltage 额定电压	3.0V DC
1-2	Operating voltage range 使用电压范围	2.0V ~ 6.0V DC
1-3	Rated load 额定负载	200g-cm by pulley load (力矩盘负载 200g-cm)
1-4	Direction of rotation 旋转方向	CW&CCW viewed from protruded shaft side 从轴伸端看为顺时针或逆时针方向
1-5	Motor position 电机姿势	All direction of protruded shaft 出力轴所有方向
1-6	Operating temperature range 使用温度范围	-10°C ~ +60°C
1-7	Storage temperature range 贮存温度范围	-30°C ~ +85°C

1. Measuring Conditions

测试条件

2-1	Motor position 电机姿势	Motor to be held, with shaft horizontally 出力轴水平放置
2-2	Power supply 电源	Regulated power supply which assures unquestionable 可调节直流稳压电源, 保证测量时无疑问
2-3	Environmental temperature and humidity 环境温度和湿度	+10°C ~ +35°C and 30% ~ 90% RH. If judgment is questionable, measurement is be made Based on JIS Standard Testing Condition(20°C ± 2°C, 65% ± 5%) 温度+10°C ~ +35°C和湿度 30% ~ 90%RH 条件下测试, 如果判断有疑问, 则按 JIS 标准测试(20°C ± 2°C, 65% ± 5%)
2-4	Direction of rotation 旋转方向	CW viewed from protruded shaft side 从轴伸端看为顺时针方向

2. Electrical Characteristics

电气性能

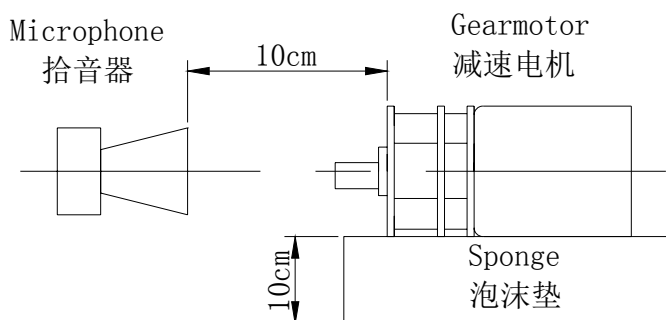
3-1	No load current 空载电流	Rated voltage, No load 额定电压下, 空载	75mA (max)
3-2	No load speed 空载转速	Rated voltage, No load 额定电压, 空载	100rpm ± 10%
3-3	Rated load current 额定负载电流	Rated Voltage, Rated load 额定电压下, 额定负载	180mA (max)
3-4	Rated load speed 额定负载转速	Rated voltage, Rated load 额定电压下, 额定负载	90rpm ± 10%
3-5	Starting current 堵转电流	Rated Voltage, rotor position to be 2/3R 额定电压下, 转子位置 2/3R	880mA (max)
3-6	Stall torque 堵转力矩	Rated Voltage 额定电压下	0.8kg-cm (min)

3-7	Electrical noise 电噪音	Motor to be equipped with varistor 电机已装有噪音抑制元件--压敏电阻器	
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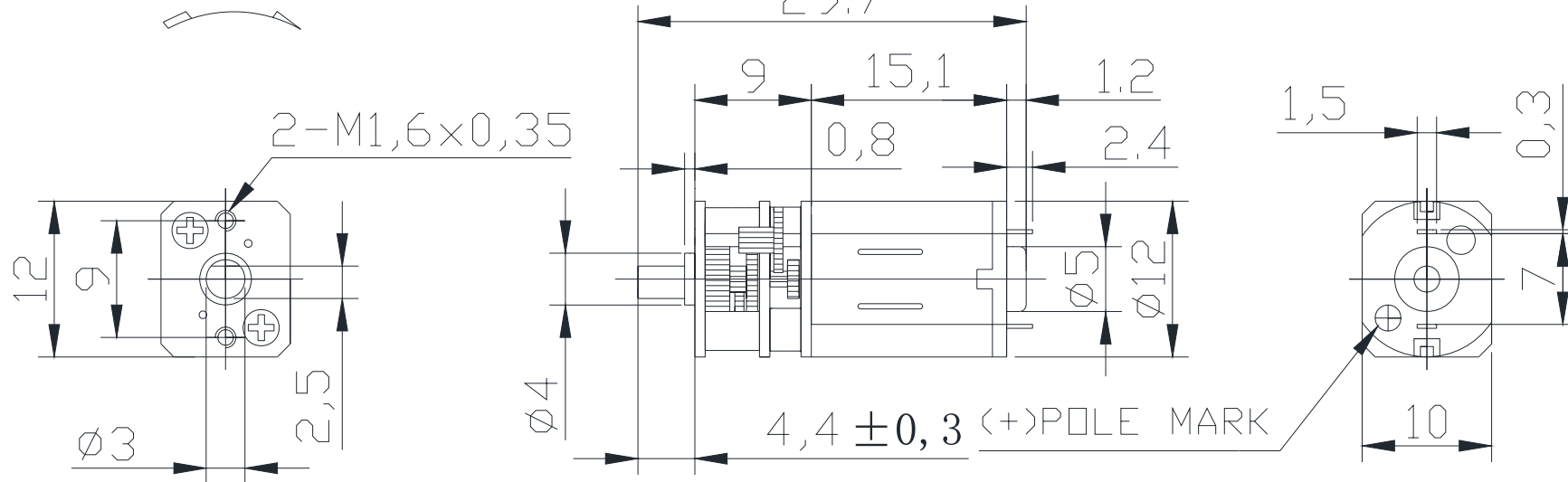
3. Mechanical & Functional Characteristics

结构及机械性能

4-1	External appearance 外观	Outer dimensions to be with the tolerances specified in the attached Drawing No page 1 remarkable deformation or superficial defects to be observed by visual check Fastened parts to be fixed firmly. 外形尺寸符合附图 P1,外观无明显变形表面损伤, 紧固件应安装牢固。	
4-2	Gear ratio 减速比		150: 1
4-3	Shaft end play 轴向间隙	End play for thrust direction of protruded shaft 向轴伸方向拉动出力轴	0.02~0.35mm
4-4	Weight 重量		Approx 9.4g 约 9.4g
4-5	Mechanical noise 机械噪音	Rated voltage no load and motor horizontally held Measured by JIS-A(RMS), at 10cm away form metal housing on protruded side and back ground noise to be 26dB(max). 额定电压、空载、电机水平放置（见下图）JIS-A(RMS)测试, 背景噪音不大于 26dB .	60dB(max)



DIRECTION OF ROTATION

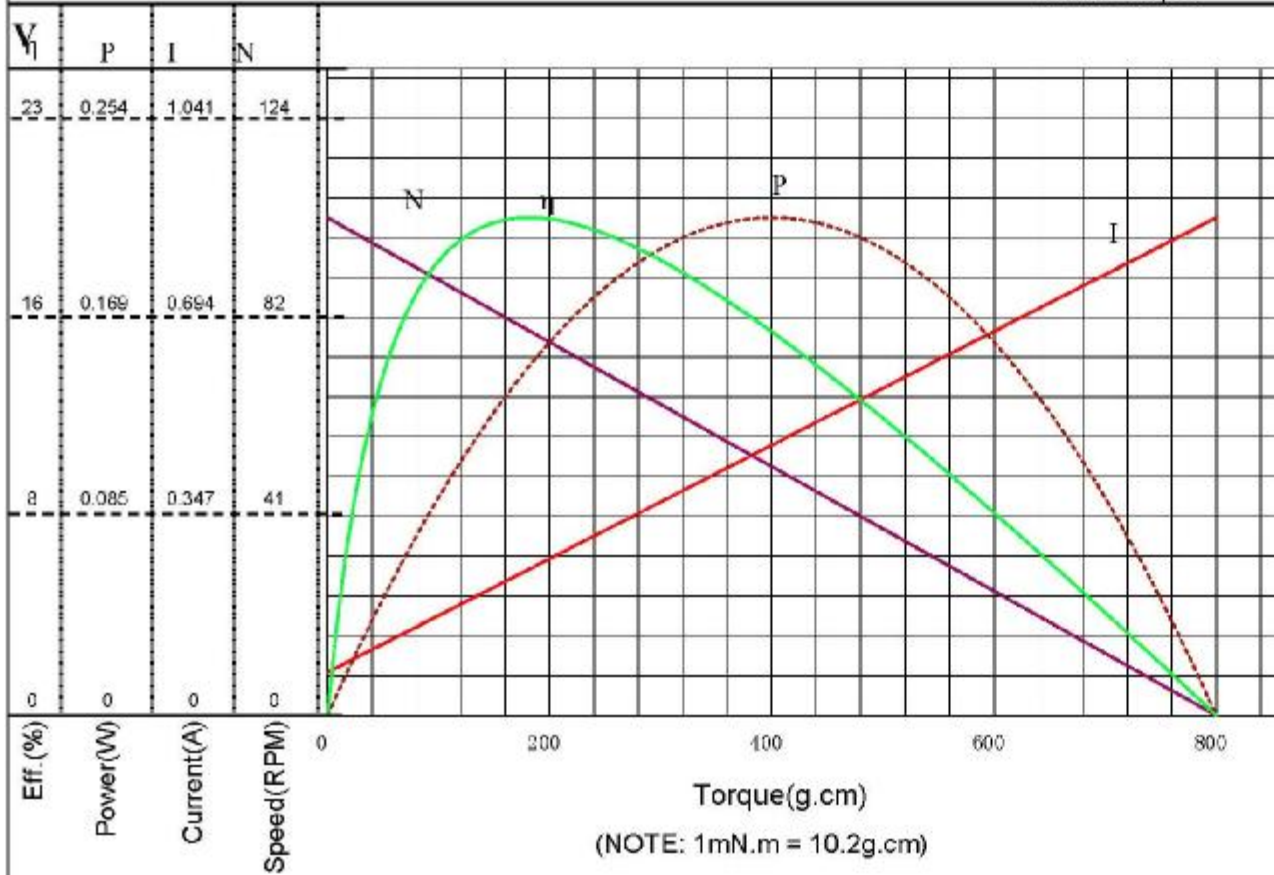


Kysan Electronics

GRAPH DRAWING

Sample No: 2020052001 Custome _____ Date: 2020/5/27
 Model: N20AGB150-11115 _____ Efficiency
 ----- Power output

NOTE: Performance(in an ambient temperature of 28-33 °C)
 Motor tested rapidly to prevent significant temperature rise.



Constant v	3.0	Volts
Direction:	CW	
At No Load		
Speed:	103	rpm
Current:	0.075	A
At stall(Extrapolated)		
Torque:	800.2	g.cm
Current:	0.867	A
At maximum efficiency		
Efficiency	19.4	%
Torque:	184.1	g.cm
Speed:	79	rpm
Current:	0.26	A
Output:	0.15	W
At maximum Power output		
Output:	0.21	W
Torque:	400.1	g.cm
Speed:	52	rpm
Current:	0.47	A

Issued by QA Reliability Testing Center

COMPUTER PRINT-OUT
 NOMINAL MOTOR CURVES

Performance and characteristics are measured based on limited motor samples only.

Prepared by:

Checked by:

Approved by:

Date: