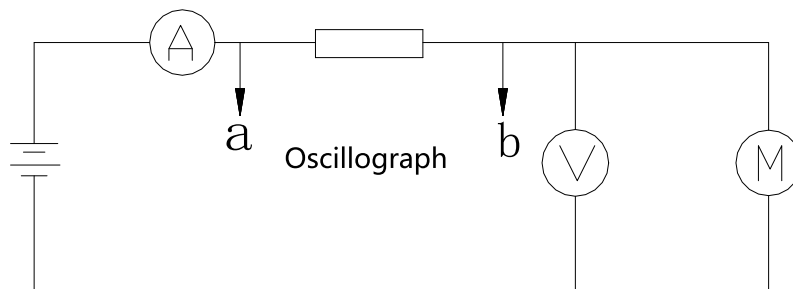


1. Standard Working Conditions

1.1 Working Temperature	-20°C~60°C
1.2 Working Humidity	5%~85%RH
1.3 Storage Temperature	-30°C~80°C
1.4 Storage Humidity	5%~70% RH
1.5 Pressure Range	86~106Kpa
1.6 Test Conditions	Test performed under the following conditions: Temperature 25± 5°C, Relative Humidity 65± 5%RH.

2. Electrical Characteristics

2.1 Test Circuit: Tests carried out using the circuit specified below in figure 1.



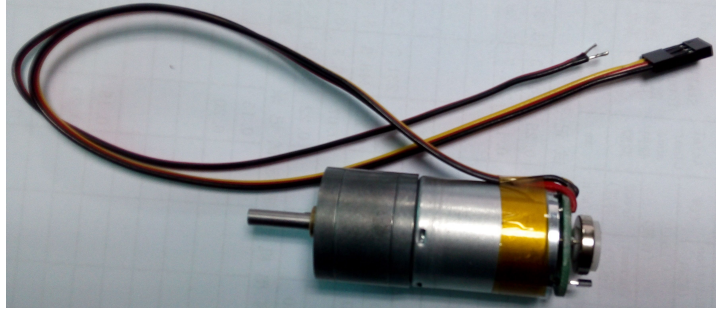
(FIG 1)

2.2 Voltage Range	3.0V~7.2V		
2.3 Rated Voltage	6.0 V		
2.4 Rated Load	1500 g-cm		
2.5 No-load RPM	310 r/min±12%	Measurements taken 30s after power on.	
2.6 No-load Current	0.28 A.Max.		
2.5 Rated RPM	260 r/min±12%		
2.7 Load Current	1.60 A.Max.		
2.8 Stall Torque	7000 g-cm. Min.		
2.9 Stall Current	5.3 A. Max.		
2.10 Starting Voltage	1.2 V.Max.		
2.11 Rotate Direction	Clockwise		
2.12 Insulation Resistance	Minimum 1M ohm/100VDC between the terminal and iron clad.		
2.13 Encoder Pulse	2 Pulses every round.		

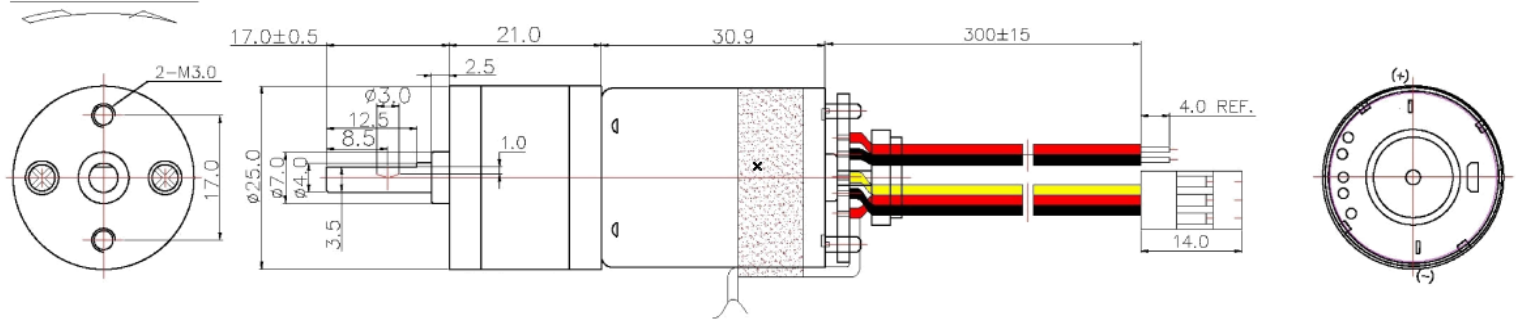
3. Mechanical Characteristics

3.1 Axial Internal Clearance	0.05mm~0.55mm
3.2 Radial Runout	Maximum 0.06mm(Measured at 2/3 of the shaft length)
3.3 Mechanical Noise	Maximum 65dB(Measured unloaded at rated voltage. Microphone distanced at 25cm. Background noise under 38dB)
3.4 Weight	55g

DC MOTORS SPECIFICATION



DIRECTION OF ROTATION



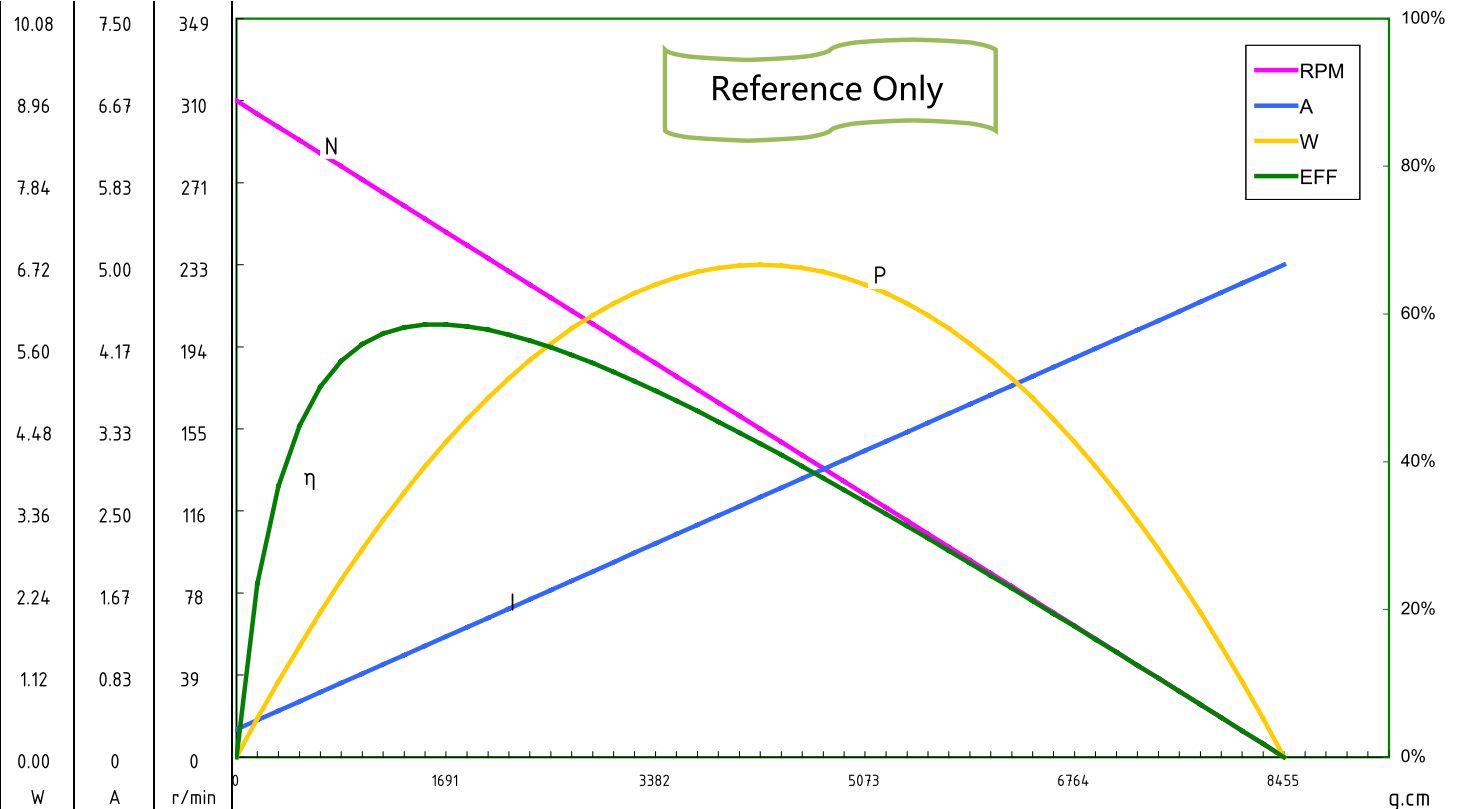
WEIGHT: 55 g(Approx)

A	mm		B		mm					C		mm			
MOTOR MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					AT MAXIMUM POWER				STALL	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	TORQUE	SPEED	CURRENT	EFFICIENCY	OUTPUT	TORQUE	SPEED	CURRENT	OUTPUT	CURRENT	TORQUE
	V.DC	V.DC	r/min	A	g.cm	r/min	A	%	W	g.cm	r/min	A	W	A	g.cm
25GA35-RK370C3080EP-17D	1.5~6.0	6.0	310	0.28	1613.0	245	1.18	58.59	4.05	3875.0	155	2.64	6.72	5.00	8455

OUTPUT CURRENT SPEED

MOTOR CHARACTERISTICS CURVE

EFF.



K/M: 338.5 N-m/A

K/T: 1791.2 N-m/A

RESISTANCE: 28.0 Ω