



SPECIFICATION FOR APPROVAL

Customer code:	HDA000475-36004
Part Name:	DC Geared Motor
Part type:	36GW-500-2000-4P-90°
Version:	A
Drawing by:	D
(Approval by:	A
Date:	2019-11-04

Customer Signature:

Please countersign in two working days after confirmed the specification.

Batch produce delivery day based on the day of countersign.



1. Standard operating condition

No	Item	Specification
1.1	Rated Voltage	Motor terminal voltage: 3V DC
1.2	Operating voltage range	2.5V-3.6V DC
1.3	The gear ratio	1:2000
1.4	Rotation direction	CCW-from the shaft
1.5	Motor position	To be place horizontally when measuring
1.6	Operating Temperature and Humidity	Temperature range of -25°C~80°C ordinary humidity 30%RH~80%RH
1.7	Storage conditions	-25°C~80°C ordinary humidity 30%~90%RH
1.8	Appearance	Surface without oxidation scratch damage, etc
1.9	Security	Stall No allowed

2. Electrical characteristics (at initial stage after 30 seconds run-in)

NO	Item	Specification	Measuring condition
2.1	Rated Voltage	3V	
2.2	NO-load speed	<u>1.4</u> rpm±12%	At Rated voltage and No-load
2.3	NO-load current	<u>50</u> mA max	At Rated Voltage and No-load
2.4	Rated load	<u>2.94</u> Nm	Rated torque is used at rated voltage
2.5	Rated speed	<u>0.9</u> rpm±12%	At Rated voltage and rated load
2.6	Rated current	<u>200</u> mA max	At Rated voltage and rated load
2.7	Stall current	<u>550</u> mA Max	At rates voltage and shaft lock
2.8	Stall torque	<u>3.92</u> N.m	Instantaneous maximum torque at rated voltage
2.9	Lifetime	The sample test Shall prevail	The life state of the motor mainly depends on the running state (installation state, load, environment temperature, etc.)



3.0	Mechanical Noise	≤70db	Rated voltage Rated load and motor horizontally held Measured by JIS-A(RMS), at 30cm away form metal housing on protruded side and back ground noise to be 35db(max).
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3. CAUTIONS

1) ALLOWABLE RANGE FOR USE

PAY ATTENTION TO VOLTAGE AND CURRENT RANGES FOR USE, AND USE THE VIBRATION MOTOR IN THE CONDITION ACCORDANCE WITH THIS SPECIFICATIONS OR THE LIFE AND RERFROMANCE SHOULD BE CONSIDERABLY REDRCED.

2) HANDLING OF MOTOR

-TO HANDLE AND HOLD THE VIBRATION MOTOR CASE SOFTLY.

-DO NOT BRING MAGNETIZED OBJECT NEAR OR CONTACT WITH THE SURFACE OF MOTOR TO AVOID OF PERFORMANCE BEING DETERIORATED.

-PAY ATTENTION TO THE HANDLING AND WORKING ENVIROMENTS OF MOTOR, BECAUSE SUCH OBJECTS AS IRON POWDER IF ATTRACTED BY MOTOR MAGNET, WILL CAUSE NOISE CHARACTERISTIC DETERIORATION, THUSREDUCING THE RELIABILITY.

3) Make sure the screw length not exceed the max usable mechanical value.



4. Attachment

1) Motor Outline Drawing

