

Data Sheet HD-EM0602-LW15-R

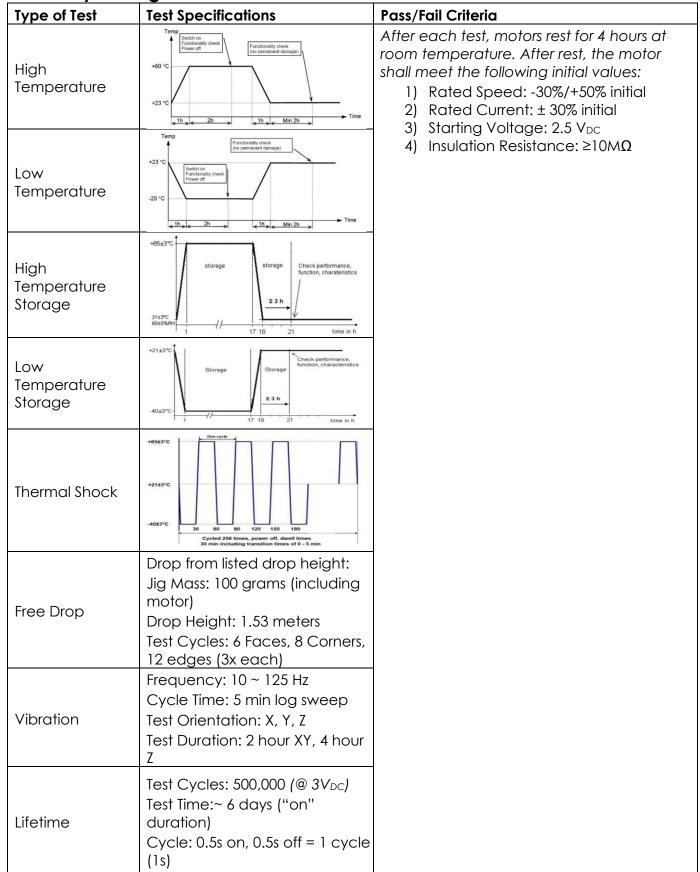
Features:

- Designed to be driven with 3 VDC
- Brushless smallest motor with a built-in IC driver
- High Reliability
- Lead wire motor attached for easy assembly
- Generates 15,000 RPMs with no more than 50 dBA acoustic noise

Specifications

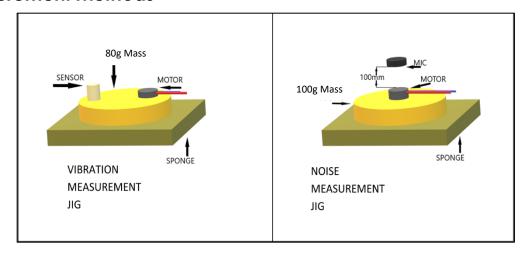
Parameters	Values	Units
Rated Voltage	3.0	V_{DC}
Starting Voltage	≤ 2.5	V_{DC}
Operating Voltage Range	2.7 ~ 3.3	V_{DC}
Vibration Strength	0.4	G
Insulation Resistance	> 10M	Ohms
Rated Speed	15,000 ± 3,000	RPM (@ 3 V _{DC})
Rated Current (Max)	80	mA (@ 3 V _{DC})
Starting Current (Max)	175	mA (@ 3 V _{DC})
Mechanical Noise (Max)	50	dBA
Environmental Compliances	RoHS/REACH	-
Actuator Mass	0.33	Grams
Storage Temperature	-30 ~ +85	°C
Operating Temperature	-20 ~ +60	°C

Reliability Testing

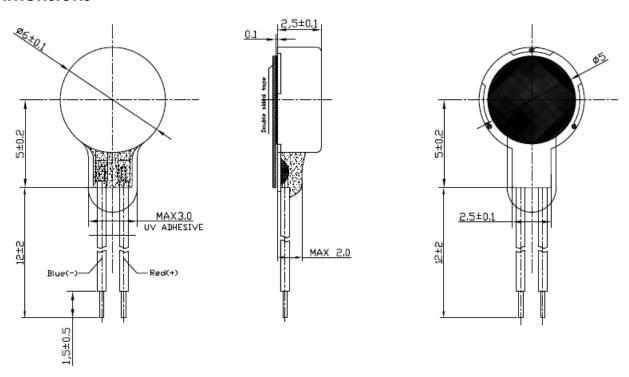


After testing, each motor must achieve the listed Pass/Fail Criteria for the appropriate test.

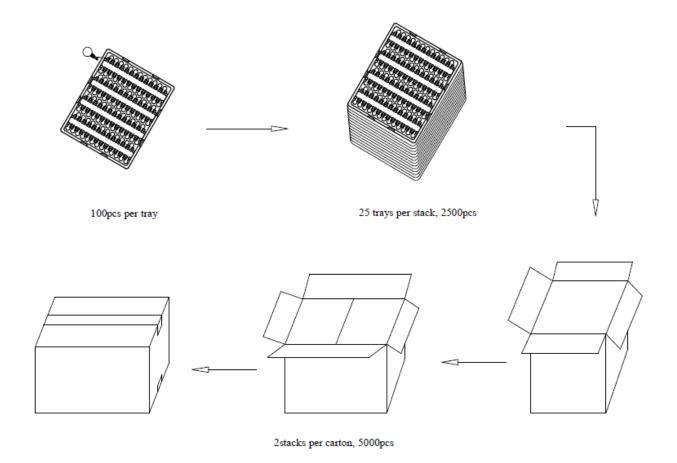
Measurement Methods



Dimensions



Packaging



Specifications Revisions

Revision	Description	Date
Α	RELEASED FROM ENGINEERING	2/24/2023

Note:

- 1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are ±0.5mm and angles are ±3°.
- 2. Specifications subject to change or withdrawal without notice.