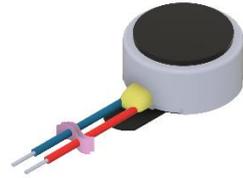




PUIaudio



Data Sheet

HD-LA0503-LW28

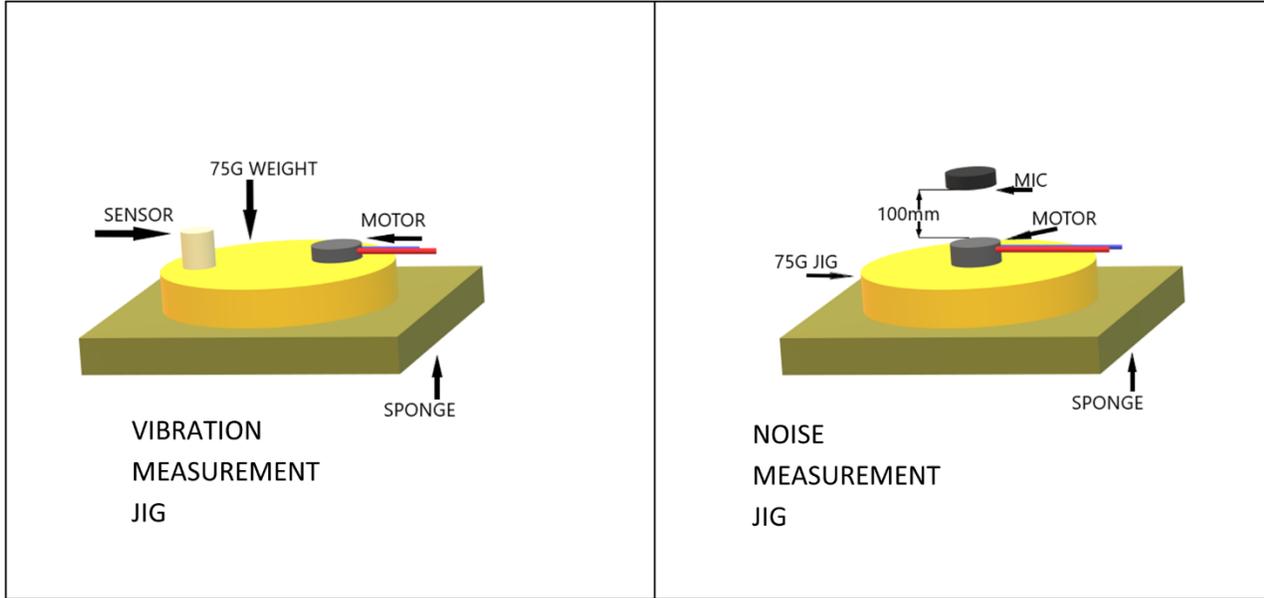
Features:

- 90mA rated current
- 0.7 Gs RMS
- Coin style housing and lead wires for easy implementation.

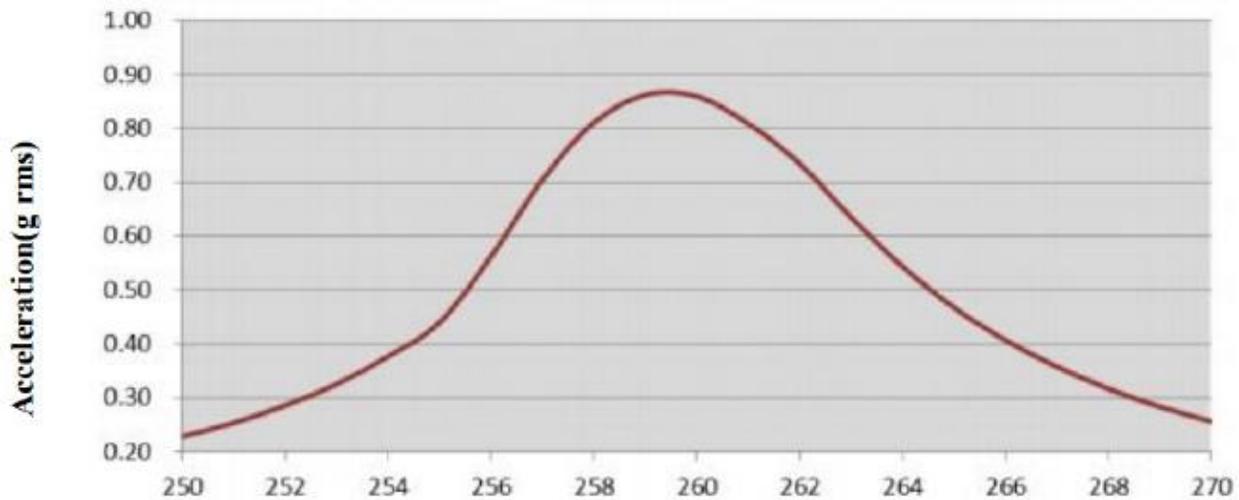
Specifications

Parameters	Values	Units
Input Voltage (AC Sinewave)	0.7 ± 0.05	Vrms
Operational Frequency	260 ± 10	Hz
Coil Resistance	8 ± 2	Ohms
Vibration	0.7	Gs RMS
Max Current Draw(at 0.7 VRMS)	90	mA
Rise Time (50% of steady state)	50	mS
Fall Time (50% of steady state)	80	mS
Magnet Material	NdFeB	-
Acoustic Noise (Max)	50	dBa
Housing Material	SPC	-
Environmental Compliances	RoHS/REACH	-
Weight	1	Grams
Storage Temperature	-30 ~ +85	°C
Operating Temperature	-20 ~ +60	°C

Measurement Methods (235Hz, 1.8 Vrms)



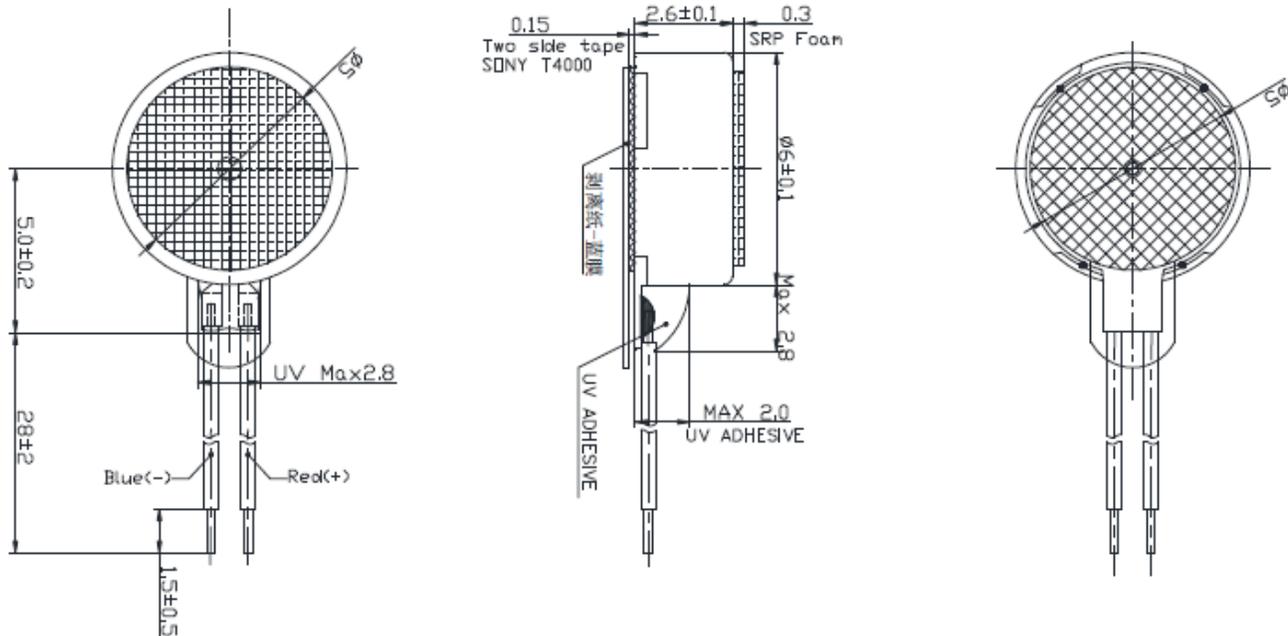
Typical Frequency Response Characteristics



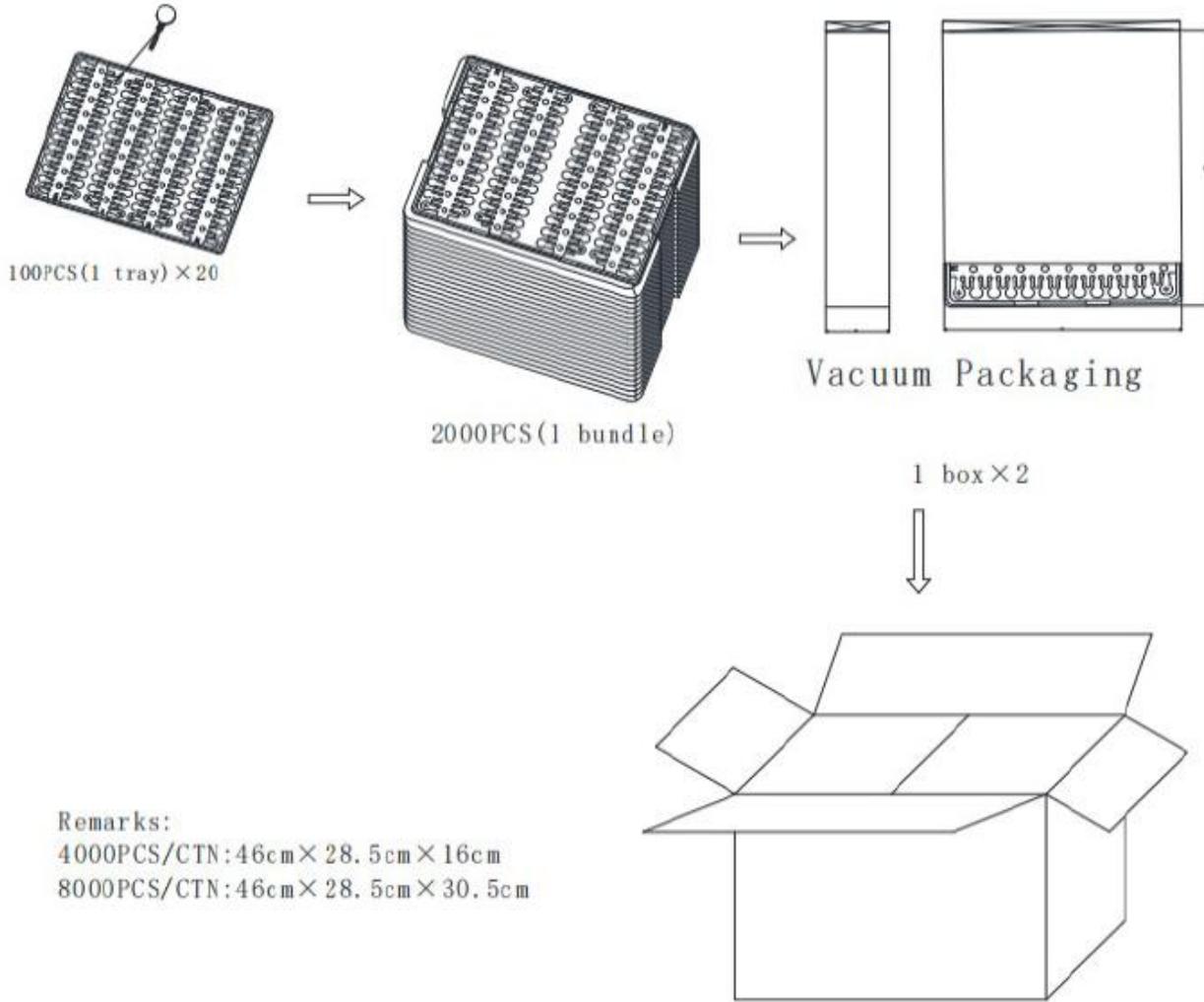
Reliability Testing

Type of Test	Test Specifications	Judgement
Life Test	At rated voltage (0.7Vrms, 260 Hz): Cycle: 2s on, 1s continuous Cycle Count: 500,000	Allow device to rest 4 hours after each test. The following specifications must be met: <ol style="list-style-type: none"> 1. Acceleration (initial $\pm 30\%$) 2. Rated Load Current (initial $\pm 30\%$) 3. Frequency (260 ± 10 Hz)
High Temperature Test	Temperature: +70°C Test Duration Time: 96 hours	
Low Temperature Test	Temperature: -40 \pm 2°C Test Duration Time: 96 hours	
Humidity Test	Temperature: +55°C Relative Humidity: 93% Test Duration Time: 96 hours	
Thermal Shock Test	Temperature Cycle: -40 to +80°C Cycle Time: 2 hours Test Repetition: 10 cycles (20 hours total)	
Vibration Test	Vibration: 10 ~ 500 Hz, 3G acceleration Test Axis: XYZ Test Repetition: 90 minutes per axis (270 minutes total)	
Drop Test	Drop Condition: 1.5m onto cement at weight 60g Test Repetition: 1 time per side (6 total)	

Dimensions (Red wire is positive)



Packaging



Remarks:
 4000PCS/CTN: 46cm × 28.5cm × 16cm
 8000PCS/CTN: 46cm × 28.5cm × 30.5cm

Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	12/13/2024	JD

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.