



Data Sheet HD-VA3222

Features:

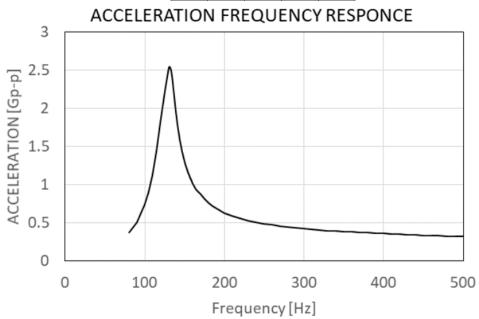
- Fast response times over a wide frequency range
- Maximum acceleration of 2.52 Gp-p measured at 133Hz
- Compact, flat design allows for a variety of implementations

Specifications

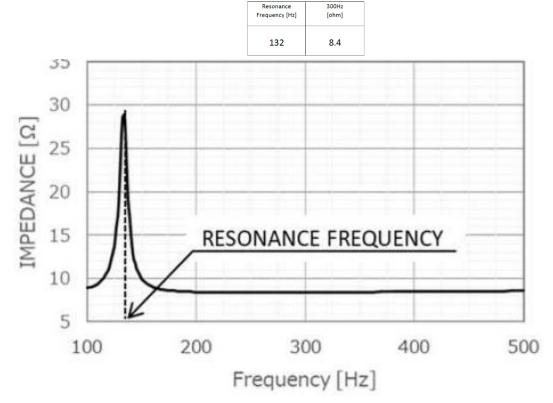
Parameters	Values			Units	
Max Input Voltage	1.5				$V_{ m rms}$
DC Resistance	8.3				Ohms
Nominal Impedance	8.4 ± 0.9				Ohms
Resonant Frequency	133 ± 13				Hz
Frequency Range	80 ~ 500				Hz
Max Acceleration (@133 Hz)	2.52				Gp-p
Frequency Response	133 Hz	300 Hz	400 Hz	500 Hz	
Characteristics (@ 0.5V)	2.52	0.41	0.33	0.28	G p-p
Rise Time 0-90%		46	ó		ms
Fall time 100-10%	36			ms	
Polarity	FORWARD BACKWARD			-	
Environmental Compliances	RoHS/REACH				-
Weight	8.5				Grams
Storage Temperature	-40 ~ +105			°C	
Operating Temperature	-40 ∼ +85			°C	

Acceleration Frequency Response

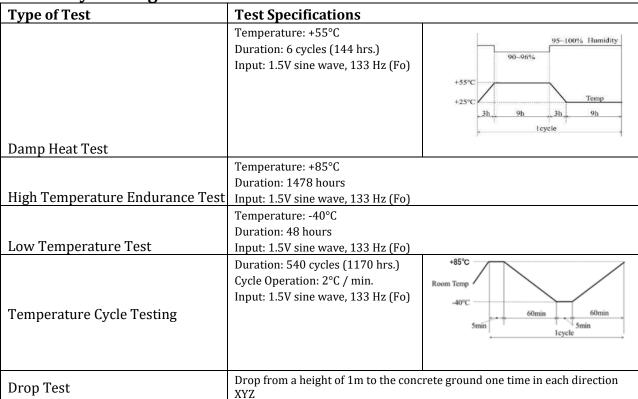
Fa	Fa	300Hz	400Hz	500Hz
[Hz]	[Gp-p]	[Gp-p]	[Gp-p]	[Gp-p]
133	2.52	0.41	0.33	0.28



Impedance Frequency Response



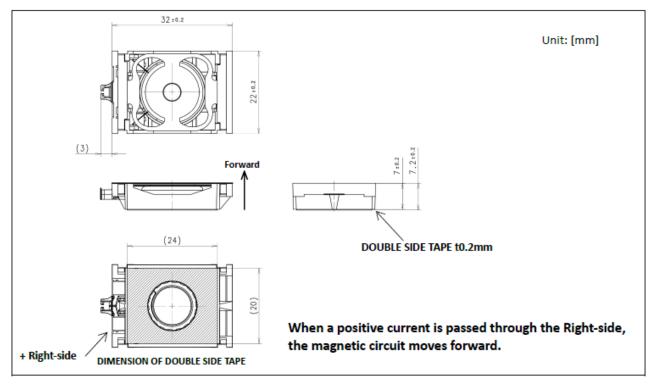
Reliability Testing



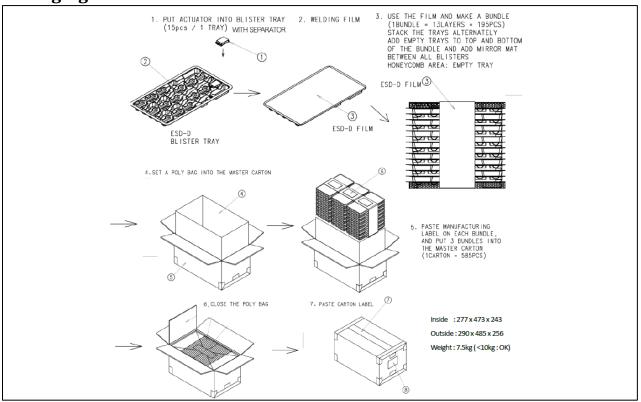
Acceleration frequency characteristics shall be within tolerance after each test. Adhesive tape shall remain undisturbed with less than 10N of force applied.

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Dimensions



Packaging



No.	Part name	No.	Part name
1	Actuator with separator	(5)	Master carton
2	Blister tray	6	Manufacturing label
3	Cover sheet (Film)	7	Security tape
4	Poly bag	8	Carton label

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Soldering Recommendations

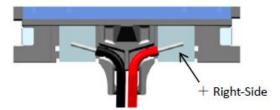
Recommended Cable Spec: AWG#28 推奨ケーブル: AWG#28

Right-Side AWG#28(7/0.127) BLACK/RED(+)

Recommended Procedure for Cable Assembly

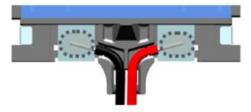
Step1:

Place two Cables to the grooves of Frame, and put the cable conductors on the terminals of Frame.



Step2:

Soldering the cable conductors with the terminals.



Step3:

Hook cables as shown below, and apply a glue to fix the cables. It may help to prevent the conductor break at soldering area.



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Specifications Revisions

Revision	Description			
Α	RELEASED FROM ENGINEERING	07/20/2022		
В	Revised Acceleration Frequency Response Graph	10/25/2022		

Note:

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