

	SPECIFICATION		
	Vibration Motor		
	TOTAL PAGE	06	http://www.bestargroups.com
			RoHS

Customer		Model Name	BMV0619H3.2
Customer P/N		Product No.	210817
Date	23 Mar. 2016	Issue No.	BS/TET01.035A
Page	01 of 06	Issue Date	2016/03/23

Approval:

- 1.Characteristics
- 2.Dimension
- 3.Reliability Test
- 4.Packing
- 5.Notice
- 6.History change record

Drawn by	Checked by	Approved by	Customer approved
常 琦	陶红仲	徐金国	

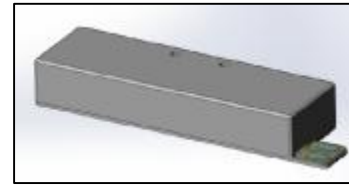
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BMV0619H3.2



1.Characteristics

1.1Operating Conditions

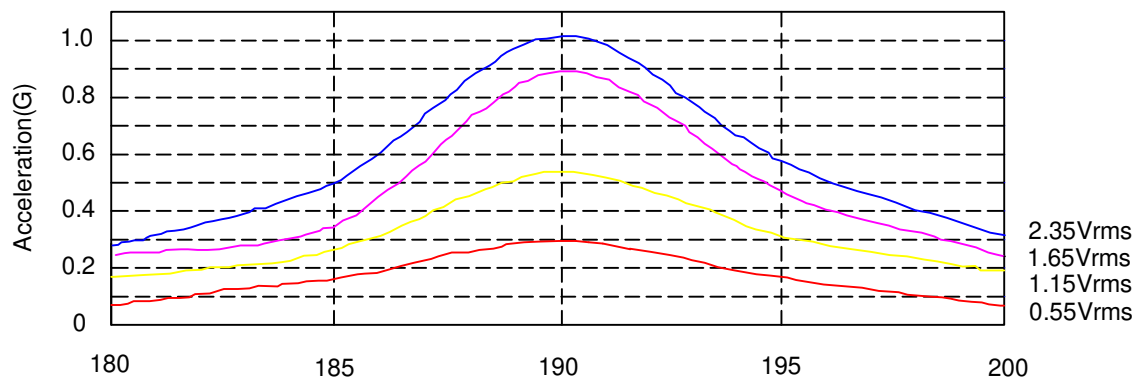
Parameter	Specifications
Operation driver	Auto resonance driver DRV2604
Rated Voltage	2.35Vrms
Rated Power	318mW
Frequency	190Hz±10Hz
Internal Resistance	18±2Ω
Acceleration (at 2.35Vrms)	≥0.9 Grms@100g jig
Rise time(0%-90% of Acceleration)	< 130ms
Break time(100%-10% of Acceleration)	< 300ms
Magnetic Flux Limits	≤500 gauss(0.7mm from crust)
Noise Output (at 10cm,2.35Vrms)	Max.42dBA
Moving mass	1.8±0.2g
Displacement	0.55 ^{+0.15} ₋₀ mm
Insulation resistance(at 100V DC)	Min.10MΩ(between terminal and housing)
Weight	about 2.9g
Operating Temperature	-20...+70°C(0%~95%RH)
Storage Temperature	-40...+80°C(0%~95%RH)
NOTE:All the date tested should base on condition of temperature 25±2℃ and hunidity 65±20%RH,and also can be tested at the range of temperature 5~35℃ and humidity 45~85%RH if there is on influence to the judgment.	

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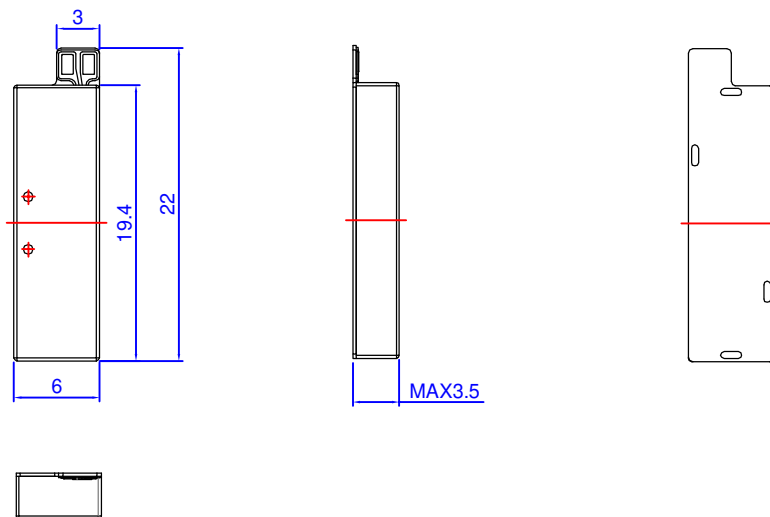
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1.2 Acceleration characteristics



2. Dimension



Unit: mm Tolerance: ± 0.2

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3. Reliability test

3.1 load test

Power
Duration

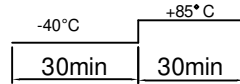
Rated Voltage

240h(10x0.5s on/0.5s off to10x1s on/0.5s off to 5s on/2s off)

3.2 Temperature cycle test

Cycles

240



3.3 Short-term life test

Power
Temperature
Duration

Rated Voltage

95°C , 20%RH

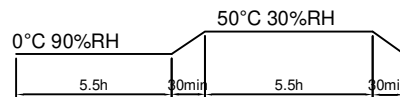
6h(0.5s on/0.5s off)

3.4 Humidity cycle life test

Power
cycles

Rated Voltage

4(10x0.5s on/0.5s off to10x1s on/0.5s off to 5s on/2s off)



3.5 High temperature test

Temperature
Duration

+ 85°C/85%RH

168hrs

3.6 Low temperature test

Temperature
Duration

-40°C

168hrs

3.7 Drop test

Height
Direction

1.5m (to concrete floor)

one time in each of six planes,eight arrises, four angle

3.8 Extended drop test

Height
Direction

1.8m (to concrete floor)

one time in each of six planes,eight arrises, four angle

Notice: all these tests above should be measured after leaving normal temperature for 4hrs.

After reliability test,all samples must be meet the requirement as below:

- 1)Acceleration≥0.8 Grms
- 2)Rise time < 160ms
- 3)Break time < 350ms
- 4)Noise ≤50dBA

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4. Packing

TBD

5. Notice

5.1 The products mustn't be washed

5.2 Storage Condition

The products should be stored in the room ,where the temperature/humidity is stable. And avoid such places where there are large temperature changes. Please store the products at the following conditions:

Temperature: -10 to + 40 °C Humidity: 15 to 85% R.H.

5.3 Expire Date on Storage

Expire date (Shelf life) of the products is six months after delivered under the conditions of a sealed and an unopened package. Please use the products within six months after delivered.

If you store the products for a long time (more than six months), use carefully because the products may be degraded in the solderability and/or rusty. Please confirm solderability and characteristics for the products regularly.

5.4 Notice on Product Storage

(1) Please do not store the products in a chemical atmosphere (Acids, Alkali, Bases, Organic gas, Sulfides and so on), because the characteristics may be reduced at quality, and/or be degraded in the solderability due to the storage in a chemical atmosphere.

(2) Please use the products immediately after the package is opened, because the characteristics may be reduced at quality, and/or be degraded in the solderability due to storage under the poor condition.

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6. History change record

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