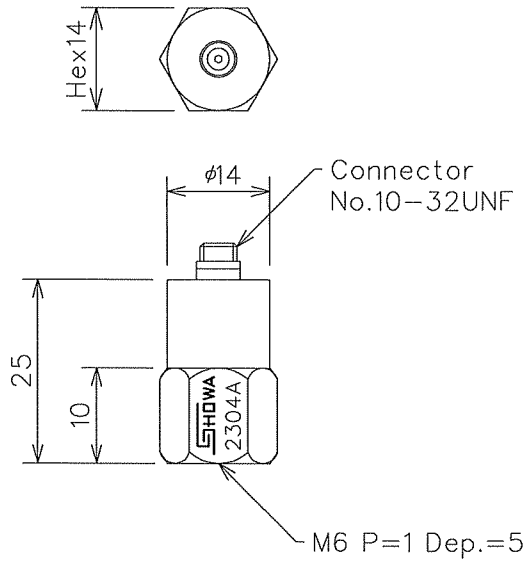


PIEZO-ELECTRIC ACCELEROMETER SPECIFICATION MODEL2304A

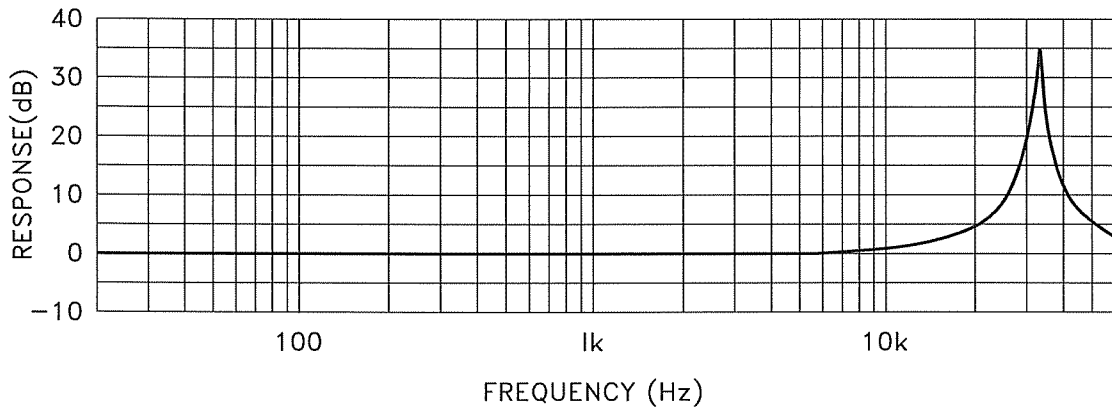
Dimensions(Units : mm)



Specifications

Charge Sensitivity	: 5pC/(m/s ²)±10%
Capacitance	: 850pF±20%
Resonant Frequency	: 35kHz
Insulation Resistance	: ≥1,000MΩ
Maximum acceleration	: 16,000m/s ²
Shock Limit	: 20,000m/s ²
Temperature Range	: -40~150°C
Sensing Element Design	: Compression
Material	: SUS
Weight	: 25g approx.

Frequency Response (Typ.)

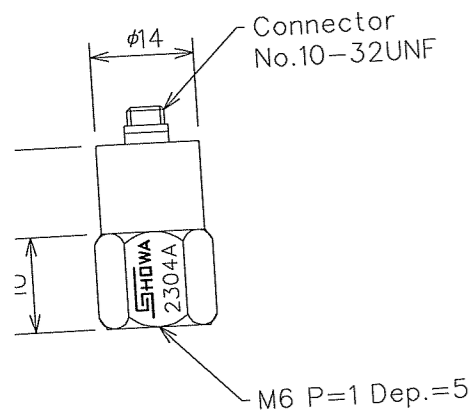
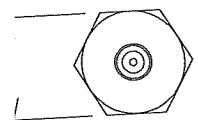


S-695A

SHOWA SHOWASOKKI CORP.

PIEZO-ELECTRIC ACCELEROMETER SPECIFICATION MODEL2304A

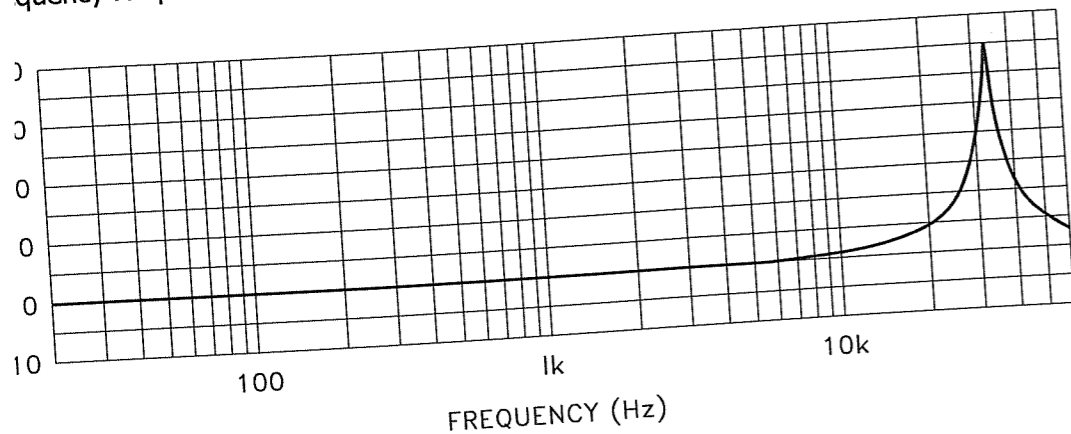
Dimensions (Units : mm)



Specifications

Charge Sensitivity	: 5pC/(m/s ²)±10%
Capacitance	: 850pF±20%
Resonant Frequency	: 35kHz
Insulation Resistance	: ≥1,000MΩ
Maximum acceleration	: 16,000m/s ²
Shock Limit	: 20,000m/s ²
Temperature Range	: -40~150°C
Sensing Element Design	: Compression
Material	: SUS
Weight	: 25g approx.

Frequency Response (Typ.)

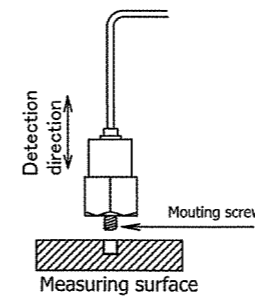


Handling of pickup and notice

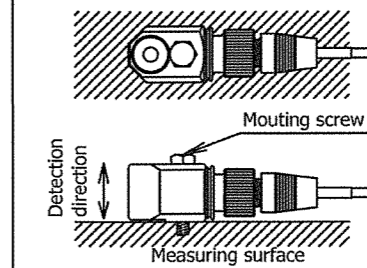
1. Mounting method of a pickup

【Fixed by a screw.】

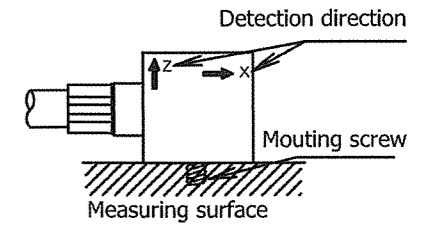
Cylinder type pickup



Pickup with a penetration screw hole

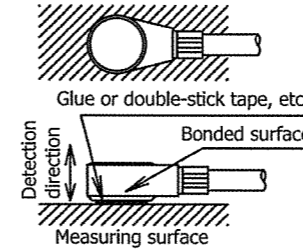


Multi-axis type pickup

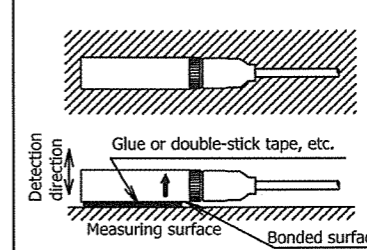


【Fixed by glue and fixed by double-stick tape】

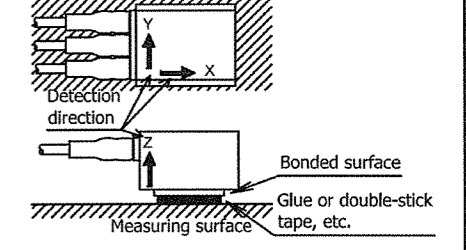
Circular small pickup



Rectangular parallelepiped type pickup



Multi-axis type pickup



(1) Fixed by a screw

When an installation tap can be processed into a measurement thing, it can be installed in the pickup by a screw of the accessory. This way is high resonance point, stable measurement can be performed over all bands.

(Note 1) The big power is added when installing a pickup, there is a damaged possibility, so please install it in the following proper torque.

Installation screw	M3	M5	M6	10-32
Torque (N · m)	0.6	3.0	5.0	3.0

(2) Fixed by glue

Dirt on the surface and oil, etc. of a measurement thing are wiped up and a pickup is fixed by instant glue. Stable measurement can be performed over all bands like screw fixing. (A frequency response is damaged by the state of the mounting surface.)

(Note 2) Please put a little on the glue in a bonded surface of a pickup very much. The bonded surface is decided. When the place which isn't a gluing part is glued, there is a possibility that a pickup is damaged. When being unclear, please inquire.

(Note 3) If when removing, remover into a gluing part and it becomes soft, please take off politely by a thin minus driver.

(1/2)

0-1819

SHOWA SOKKI SHOWASOKKI CORP.

(3)Fixed by a double-stick tape.

Dirt on the surface and oil, etc. of a measurement thing are wiped up and a bonded surface of a pickup is fixed by a double-stick tape.

It's most suitable as a mounting method of a temporary pickup. The frequency by which measurement is possible is up to about 2 kHz.

(4)Fixed by a magnet.

Install a magnet in the pickup by a screw and make them adhere to a measurement thing. A measurement thing is a possible mounting method only in case of a magnetic body. Please install it and inquire about all kinds' possible magnet.

The frequency by which measurement is possible is up to about 1 kHz.

A magnet is very powerful, don't release your hold and make them absorb the whole quietly after hitting an edge against a target thing once. (When a strong impact is added, there is a possibility that a pickup breaks down.)

2. Careful point

[1] Please be careful about a fall and collision and don't give anything but the sensitivity axial direction an impact and vibration.

[2] Don't add the acceleration beyond specification rating and an impact. Even the small acceleration causes a breakdown by vibration around the resonant frequency of a sensor, so please be careful.

[3] The screw mounting surface and the bonded surface of an acceleration pickup are decided. Installation and gluing by all except for the side of the designation cause a breakdown.

[4] Please be careful so that glue and a remover don't stick to a connector part. When a solvent invades, the inner circuit is damaged.

[5] Anything but a pickup corresponding to waterproofing isn't used by the environment that water and oil, etc. splashed.

[6] Please don't use by the temperature outside the specification area.

[7] Please don't use Pri-amplifier built-in type pickup outside the rated voltage.

[8] Please make sure that the strong bending stress won't be added to a joint part of a cable after pickup installation.

Please fix a cable on a measurement thing in the neighborhood of the pickup.

[9] Please be careful sufficiently at the time of attachment and removal of a pickup and a cable. When strong power is added to a cable, there is a possibility that breaking, a connector and the pickup body are damaged.

[10] After using, please put a pickup a protection case, avoid hot and high humidity and keep.

[11] Please keep importantly the case label and the check form on which the pickup sensitivity was indicated.

SHOWA SOKKI CORPORATION

Sales Division

1-5-9, Kandaizumi-cho, Chiyodaku, Tokyo, 101-0024 JAPAN.

Phone: +81-3-3866-3210 Fax: +81-3-3866-3060

E-mail: eigyo@showasokki.co.jp

Please inquire to the above Sales Division about an unclear point.