

DC BRUSHLESS VOICE-COIL VIBRATION MOTOR

ABSTRACT OF THE DISCLOSURE

A DC brushless voice-coil vibration motor, especially a small-sized micro-vibration motor that utilizes inductance coils and a weight object with a plurality of coplanar magnetic poles as the stator and rotor of the motor. The invention comprises a circuit board, at least
5 two inductance coils and a weight object. The weight object is installed on the inductance coil and away from the motor center. It has a plurality of magnetic poles as the rotor of the motor. When current flows through the inductance coil, a magnetic field is generated so that the weight object starts to rotate under the electromagnetic interactions. Since the weight object is off the motor center, the motor gains vibrational energy during the rotation of the
10 weight object.

[Figure 2]