

Pololu Shaftless Vibration Motor, 14500RPM, 8x3.4mm, 0.75g vibration amplitude, 60mA, 3V

Shaftless Vibration Motor 8x3.4mm This tiny shaftless vibration motor has a diameter of 8 mm and a height of 3.4 mm.



Product number POL1637

Weight 0.003kg

Product description

Shaftless Vibration Motor 8x3.4mm

This tiny shaftless vibration motor has a diameter of 8 mm and a height of 3.4 mm. It generates a vibration amplitude of 0.75g and consumes around 60 mA at a voltage of 3 V. Thanks to the shaftless design, the motor is particularly compact and is ideal for mounting on printed circuit boards or for use in small housings to provide quiet, haptic feedback. The motor is fully enclosed so that no moving parts are exposed. A 3M adhesive is attached to the back for easy mounting, and 1.5 inch long cables make connection easy. Polarity does not matter, the motor can be operated clockwise (CW) or anti-clockwise (CCW).

Features at a glance

- Compact design with a diameter of 8 mm and a height of 3.4 mm.
- Generates a vibration amplitude of 0.75g at 3 V.
- Shaftless, fully enclosed design with no exposed moving parts.
- 3M adhesive on the back for easy mounting on PCBs or in housings.
- Can be operated clockwise (CW) or anti-clockwise (CCW).

Compatibility

- Can be operated with voltages in the range from 2.5 V to 3.5 V.

Technical data

- Size: 8 mm diameter, 3.4 mm height
- Weight: 0.8 g
- Recommended operating voltage: 2.5 - 3.5 V
- Vibration amplitude at 3 V: 0.75 g
- Speed at 3 V: 14500 rpm (12000 rpm minimum)
- No-load current at 3 V: 60 mA (80 mA maximum)
- Starting current at 3 V: 120 mA maximum
- Motor resistance: $29 \pm 6 \Omega$
- Operating temperature: -10°C to $+60^{\circ}\text{C}$
- Storage temperature: -30°C to $+70^{\circ}\text{C}$

Other data



- No shaft mechanism, therefore particularly space-saving and durable.

Scope of delivery

- 1x Shaftless Vibration Motor 8x3.4mm with 1.5 inch long connection cables.

Product properties

Gross Weight (kg)	0.003
Country of Origin	China
Brand	Pololu
Zolltarifnummer	85011099
Product ID	POL1637
Manufacturer ID	1637

More images

