

Shaftless Vibration Motor 10x2.0mm



Pololu item #: 1638 **239** in stock
Brand: Unspecified supply outlook
✓RoHS3

Price break	Unit price (US\$)
1	4.95
5	4.55
25	4.19
100	3.85

Quantity: Add to cart
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This tiny, button-type, vibrating motor shakes with a vibration amplitude of 0.75g and draws approximately 60 mA when 3 V is applied to its leads. The shaftless design keeps this motor small: 10 mm in diameter and 2.0 mm in height.

Description **Specs (6)** **Pictures (4)** Resources (0) FAQs (0) **On the blog (2)** **Distributors (43)**

Overview

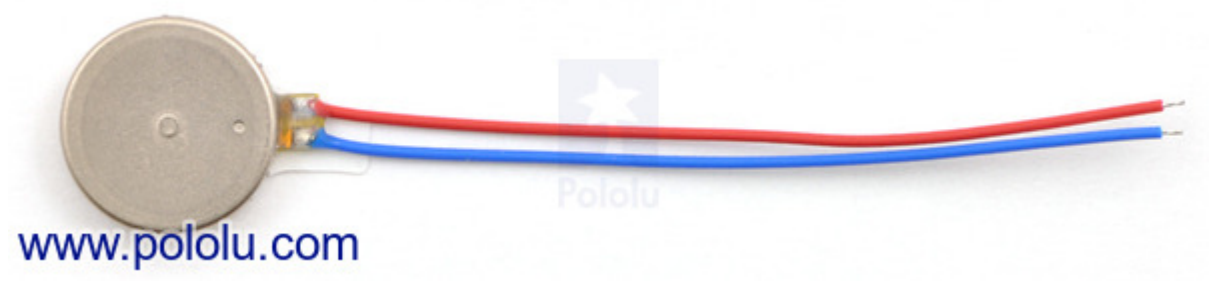
This shaftless vibration motor is fully-enclosed with no exposed moving parts. Its small size (10 mm diameter, 2.0 mm height) and shaftless design mean you can mount it on a PCB or even place it in a pocket to add quiet, haptic feedback to your project. The motor has a 3M adhesive backing on it for easy mounting and 1.5" leads for making quick connections. Polarity is not important; the motor can run CW or CCW.



We offer this vibration motor in three different sizes:

- [10 mm diameter x 3.4 mm height](#)
- [10 mm diameter x 2.0 mm height](#)
- [8 mm diameter x 3.4 mm height](#)

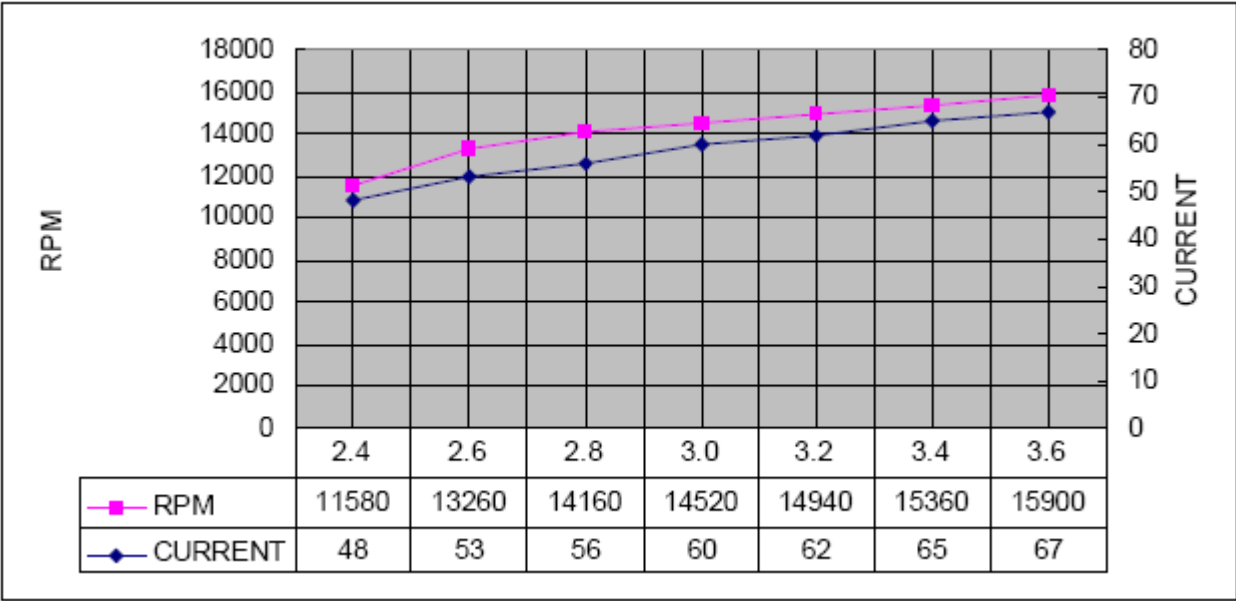
All three of these motors have the same vibrational amplitude (0.75g), but the 10×3.4mm version has more mass than the other two, which results in a slightly greater vibrational force.



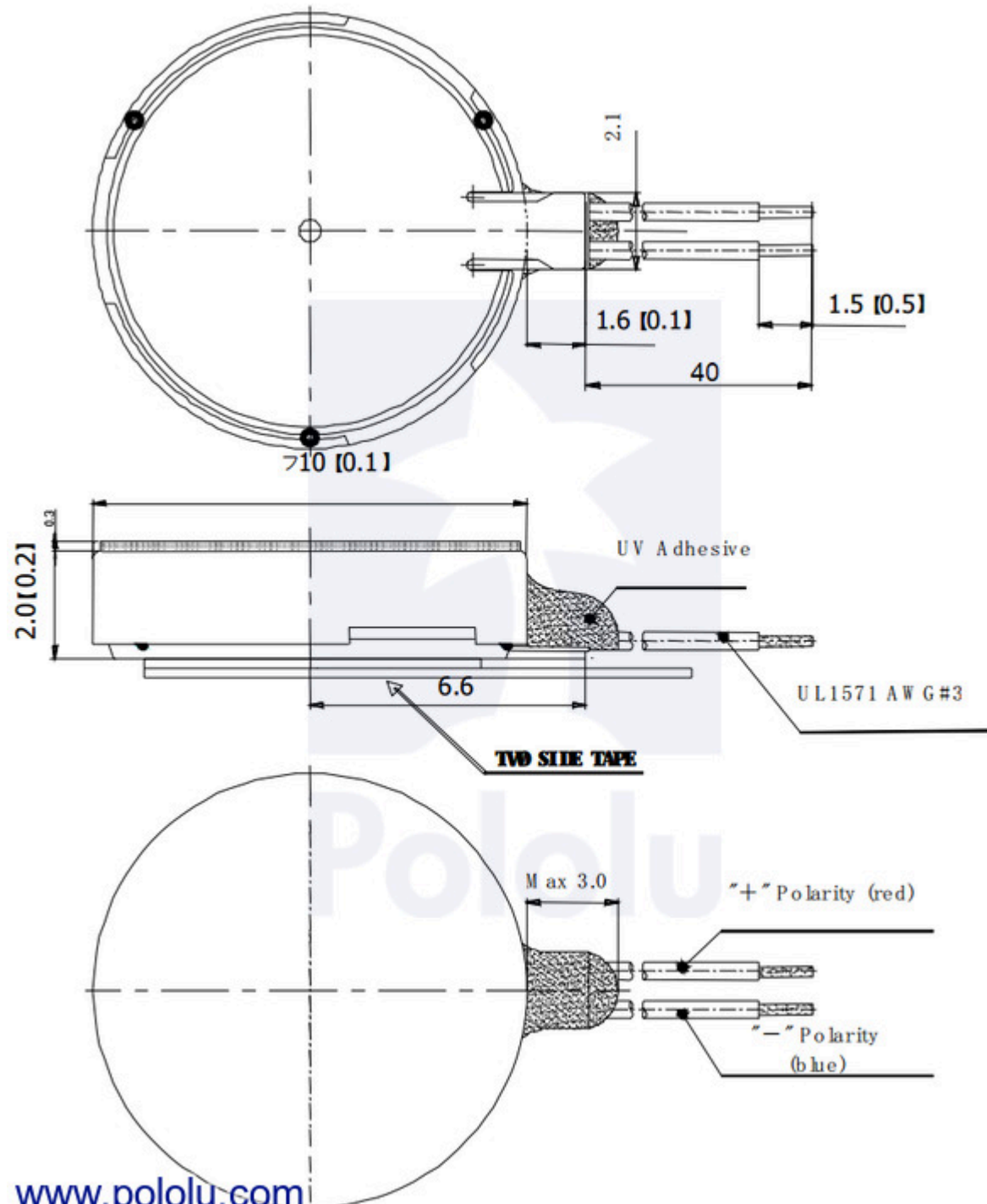
Specifications

Size	10 mm diameter, 2.0 mm height
Weight	0.8 g
Recommended operating voltage	2.5 – 3.5 V
Vibration amplitude at 3 V	0.75g
Speed at 3 V	14500 RPM (12000 RPM min)
Free-run current at 3 V	60 mA (80 mA max)
Startup current at 3 V	120 mA max

Motor resistance	29 ± 6 Ω
Operating temperature	-10°C to +60°C
Storage temperature	-30°C to +70°C



Dimensions (in mm)



People often buy this product together with:



[Shaftless Vibration Motor 10x3.4mm](#)



[Shaftless Vibration Motor 8x3.4mm](#)



[Pololu 38 kHz IR Proximity Sensor, Fixed Gain, High Brightness](#)