



Brushless BLDC Coin Vibration Motor

INEED Motors specializes in brushless coin vibration motors (BLDC coin vibration motors) designed for applications demanding extended service life and consistent performance. Unlike brushed coin vibration motors, the company's brushless variants employ electronic commutation and an integrated driver IC to control an eccentric rotating mass (ERM), significantly reducing mechanical wear and enhancing motor durability. These characteristics make them particularly suitable for medical devices, industrial handheld equipment, wearable technology, and other products where high mean time between failures (MTBF) and low electromagnetic interference are critical.

INEED offers a selection of compact brushless coin vibration motors, with the smallest model measuring just 5mm in diameter and 1.8mm in thickness. Customization options include lead length, connector types (such as JST and Molex), and terminal styles, allowing engineers to tailor the motor to specific design requirements. It is important for designers to note that these motors operate on DC voltage with strict polarity observance. Due to their slower response characteristics, they are recommended for notification alerts rather than complex haptic feedback scenarios.

6 Key Advantages of INEED Brushless Coin Vibration Motors

Long Lifespan

Outperforms brushed motors by over 10 times.

Low Audible Noise

Suitable for noise-sensitive environments.

Compact Form Factor

Ideal for space-constrained applications.

Custom Connection Options

Flexible leads and connector choices available.

High Reliability

Designed for continuous duty in industrial settings.

Typical Applications

Smartwatches and wearable health monitors

Safety and alerting systems

Consumer electronics with extended lifespans

Why Choose INEED Brushless Coin Motors?

The company's brushless vibration motors are engineered using quality components including integrated driver ICs and neodymium magnets, ensuring consistent performance under demanding conditions. With support for electrical customization and a focus on robust design, these motors meet the needs of engineers and buyers looking for vibration solutions that combine miniaturization with extended service lifetime.

For more technical details, please send email to inquiry@ineedelectronics.hk or call us at **(+86) 769 2289 1073**.