

DC CORELESS BRUSHED DC MOTORS

Coreless brushed DC motors offer very high performance in a super-compact size, with sizes ranging from just 8mm diameter.

DCU08017P06
DC Series 08x17mm 0.3W Slotless BLDC Motor 6V



PRODUCT DESCRIPTION

Coreless Brushed DC Motors have supreme performance, offering highly dynamic power in a very small form compared to convention brushed DC motors. They are easy to control to a high level of precision at all speeds. MOONS' DC coreless brushed DC motors are available in 13mm, 17mm, and 24mm diameter. The hollow (hence coreless) rotor design has very low rotational inertia compared to conventional brush DC motor design, and as a result, can deliver very high acceleration. Excellent low speed characteristics are also a key feature of the design architecture with no cogging effect present. These ultra-compact high-performance motors offer speeds of up to 12,900rpm and can be coupled with an optional gearbox can deliver very high torque for its size. An encoder option is available for positional applications.

The miniature size and ultra-performance characteristics of these DC motors lend themselves well to applications in the medical and scientific sectors

Applications

Pipettes
Spectrophotometers
Sample treatment platforms
Precision balances
Micro diaphragm pumps
Analytical and measurement equipment

TECHNICAL DATA

Dimension (mm)	08x17
Nominal speed	3360 rpm
Nominal torque	0,0006
Output power	0,3 W
Supply voltage	6,0 V DC