



## Brushless DC Slotted Flat Motors 45ECF with Outer Rotor

### Power-packed Performance in a Flat Architecture

The 45ECF brushless slotted flat motor features a flat and open architectural design able to provide high torque within a compact package and without compromising on targeted performance. The motor includes hall sensors allowing for easier control of speed and torque.

The 45ECF brushless flat mini motor can also be customized to the precise requirements of your application's needs with a multitude of customization options. With a torque up to 91 mNm while maintaining a footprint of 22.5mm length, this motor is ideal for applications in search of a high power density solution in a compact size.

The 45ECF would be a perfect fit for rugged Aerospace & Defense applications including actuation and control systems, Robotics Systems, including grippers and service robots, and Surgical Robotics devices.

### Key Features

- Outer rotor slotted technology - torque optimized
- Hall sensors
- Easily combined with gearboxes
- 8-pole design

### Applications

- Aircraft Valve Actuation
- Missile Actuation
- Air Cushion Systems
- Flight Control Systems
- Military Robots
- Grippers
- Service Robotics
- Surgical Robotics

### Customization

- Connectors
- Coil modifications - resistance and inductance
- Custom shafts
- Different optimization (speed or direction)
- Non-sensored

✓ Max cont. torque up to 91 mNm

✓ 22.5 mm overall body length

✓ Continuous power up to 50W

