

Ultra EC™ Brushless Motors 08ECP20



8mm Motor Sets New Standards for Device Miniaturization

The 08ECP20 brushless DC motor is the smallest frame size to join Portescap's Ultra EC™ portfolio. Featuring Portescap's proprietary Ultra EC™ winding and an optimized bearing assembly, this mini-actuation solution is the perfect fit for engineers looking to downsize devices and applications.

This 8mm motor can achieve speeds up to 60,000 rpm while delivering high performance and reliability. Lower power losses lead to higher efficiency, while the absence of cogging torque results in smooth rotation and improved end-user experience.

The 08ECP20 is an excellent choice for handheld device manufacturers across various industries. Specific examples include miniature actuators in the Aerospace and Defense sector, portable medical pumps, bionic and exoskeleton systems, and optical/laser systems.

✓ 8mm motor diameter

✓ Speeds up to 60,000 rpm

✓ Proprietary Ultra EC winding

Key Features

- 8mm diameter
- 60,000 rpm max speed
- Smooth rotation
- Lower power losses
- Higher efficiency

Applications

- Miniature Actuators
- Insulin Pumps
- Optical/Laser Systems
- Surveillance Camera Systems
- Bionics & Exoskeleton Systems
- POC Handheld Analyzers
- Dosing and Dispensing Systems
- Electric Grippers

Customization

- Connectors
- Custom shafts - flats, knurling, diameter, length
- Coil modifications - resistance and inductance
- Without hall sensors
- Special lubricants

