The EDGE motor is well suited for a large range of applications, excelling in those where weight, form factor and power consumption are of prominence, such as:

- NUC Shutters
- Shutter & Aperture Control Components
- Filter Changer Components
- Auto Focus Modules
- Unattended Ground Sensor Modules
- Optical Image Stabilization Modules
- Mirrors Positioning

**Product Description**

Nanomotion’s Edge motor is the smallest industrial motor of its kind available in the marketplace today. Providing unlimited linear or rotary motion, the Edge motor offers extensive opportunities in applications that suit a wide range of industries. The Edge motor works with a uniquely designed, compact ASIC-based driver, and can be operated with any servo controller. The Edge can be easily integrated into most bearing structures, and is ideal for mass production opportunities.

Edge Motor Key Features:

- Extremely small dimensions
- Excellent move and settle characteristics
- Mill-rated
- ASIC drive and control
- Wide dynamic velocity range
- High resolution
- Zero backlash
- Holds position at power off
- Silent operation
- Negligible EMI
TECHNICAL SPECIFICATIONS

Mechanical
Weight/Mass: 0.55 gr
Dimensions: 13.5 x 7.6 x 3.15 mm

DYNAMIC
Driving Force (max): 0.32N
Velocity (max): 200 mm/sec

ENVIRONMENTAL
Operation Temperature:
-40 ºC ÷ 80 ºC
Vibrations: 10 g rms
Shock: 350 g

ELECTRICAL
Motor Voltage (max):
8.5 ÷ 11 V AC
Motor Current (max):
130 mA AC

MECHANICAL DRAWINGS AND INTERFACE

ELECTRICAL INTERFACE

pin number | pin name | description
--- | --- | ---
1 | P_1 | NM MOTOR PHASE 1
2 | P_2 | NM MOTOR PHASE 2
3, 4 | COM | NM MOTOR COMMON