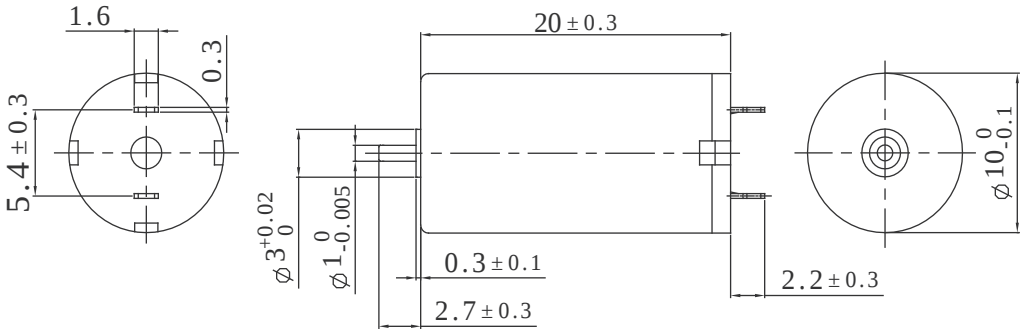




| Motor specifications          |                  | 05A   | 06A   | 01A   | 08A   |
|-------------------------------|------------------|-------|-------|-------|-------|
| 1 (Nominal voltage)           | V                | 3.7   | 6.0   | 7.4   | 12.0  |
| 2 (No load speed)             | rpm              | 27000 | 15220 | 24500 | 30000 |
| 3 (No load current)           | mA               | 80    | 35    | 45    | 30    |
| 4 (Nominal speed)             | rpm              | 25380 | 12480 | 22907 | 28200 |
| 5 (Nominal torque)            | mNm              | 0.39  | 0.77  | 0.43  | 0.51  |
| 6 (Nominal current)           | A                | 0.37  | 0.23  | 0.19  | 0.16  |
| 7 (Stall torque)              | mNm              | 6.3   | 4.3   | 4.1   | 8.6   |
| 8 (Stall current)             | A                | 4.93  | 1.14  | 2.2   | 2.24  |
| 9 (Terminal resistance)       | Ω                | 0.75  | 5.27  | 3.25  | 5.35  |
| 10 (Torque constant)          | mNm/A            | 1.28  | 3.68  | 2.82  | 3.4   |
| 11 (Speed constant)           | rpm/V            | 7297  | 2538  | 3310  | 2500  |
| 12 (Mechanical time constant) | ms               | 5.0   | 5.8   | 5.6   | 6.3   |
| 13 (Rotor inertia)            | gcm <sup>2</sup> | 0.167 | 0.163 | 0.161 | 0.166 |

Optional gearbox

Optional encoder

| Other specifications            |             |                   |                          |
|---------------------------------|-------------|-------------------|--------------------------|
| (Operating temperature range)   | -20...+80°C | (Bearing type)    | (Sleeve bearings)        |
| (Number of pole pairs)          | 1           | (Brush type)      | (Precious metal brushes) |
| (Number of commutator segments) | 5           | (Weight of motor) | 6.75g                    |