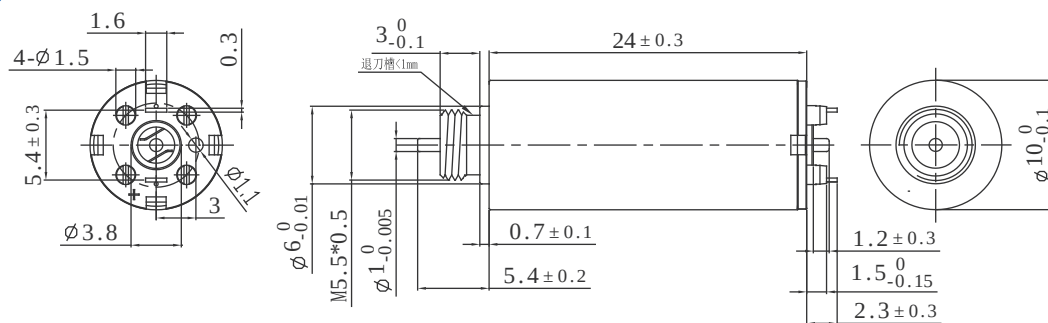




| Motor specifications          |                  | 07A   | 02A   | 01A   | 06A   |
|-------------------------------|------------------|-------|-------|-------|-------|
| 1 (Nominal voltage)           | V                | 3     | 4.5   | 6     | 12    |
| 2 (No load speed)             | rpm              | 5500  | 16000 | 13500 | 13300 |
| 3 (No load current)           | mA               | 10    | 50    | 25    | 15    |
| 4 (Nominal speed)             | rpm              | 4413  | 12080 | 10800 | 10640 |
| 5 (Nominal torque)            | mNm              | 0.34  | 1.24  | 0.82  | 0.75  |
| 6 (Nominal current)           | A                | 0.07  | 0.5   | 0.21  | 0.1   |
| 7 (Stall torque)              | mNm              | 1.7   | 5     | 4.1   | 3.7   |
| 8 (Stall current)             | A                | 0.33  | 1.89  | 0.96  | 0.44  |
| 9 (Terminal resistance)       | $\Omega$         | 8.97  | 2.38  | 6.2   | 275   |
| 10 (Torque constant)          | mNm/A            | 5.2   | 2.68  | 4.2   | 8.61  |
| 11 (Speed constant)           | rpm/V            | 1833  | 3555  | 2250  | 1108  |
| 12 (Mechanical time constant) | ms               | 5.0   | 4.7   | 5.1   | 4.9   |
| 13 (Rotor inertia)            | gcm <sup>2</sup> | 0.159 | 0.148 | 0.154 | 0.139 |

## Optional gearbox

G10MF

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## Optional encoder

EM10

(Incremental) 1~1024ppr 1~3通道(channel)

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EM10

(Absolute) 14 bit single turn

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## 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) | 9.8g                     |