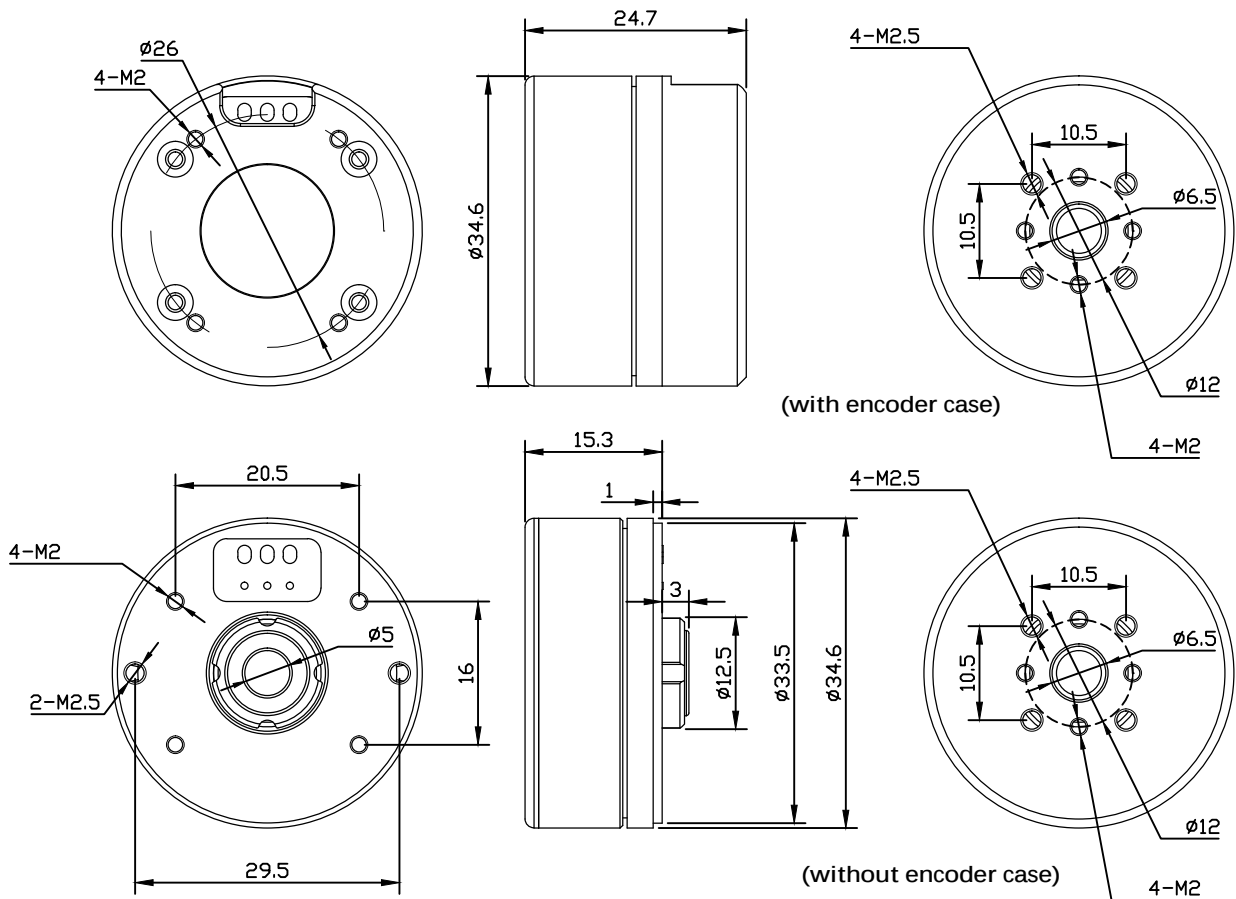


## DM2806/2806EC Gimbal Motor

35mm gimbal motor, without and with encoder case



### Dimension



### Specification

| Motor Data                     | Unit             | DM2806/2806EC  |
|--------------------------------|------------------|----------------|
| 1 Nominal voltage              | V                | 12             |
| 2 Nominal current              | A                | 0.81           |
| 3 Nominal torque               | N.m              | 0.06           |
| 4 Nominal speed                | rpm              | 950            |
| 5 Max speed                    | rpm              | 2335           |
| 6 Stall torque                 | N.m              | 0.09           |
| 7 Stall current                | A                | 1.22           |
| 8 Winding turns of motor       | T                | 60             |
| 9 Phase to phase resistance    | $\Omega$         | 5              |
| 10 Phase to phase inductance   | mH               | 1.51           |
| 11 Speed constant              | rpm/V            | 121            |
| 12 Torque constant             | Nm/A             | 0.07           |
| 13 Rotor inertia               | gcm <sup>2</sup> | 51             |
| 14 Number of pole pairs        |                  | 7              |
| 15 Weight                      | g                | 45.4/55.4      |
| 16 Working temperature         | °C               | -20/80         |
| 17 Max demagnetize temperature | °C               | 120            |
| 18 Encoder type                |                  | AS5048A/AS5600 |