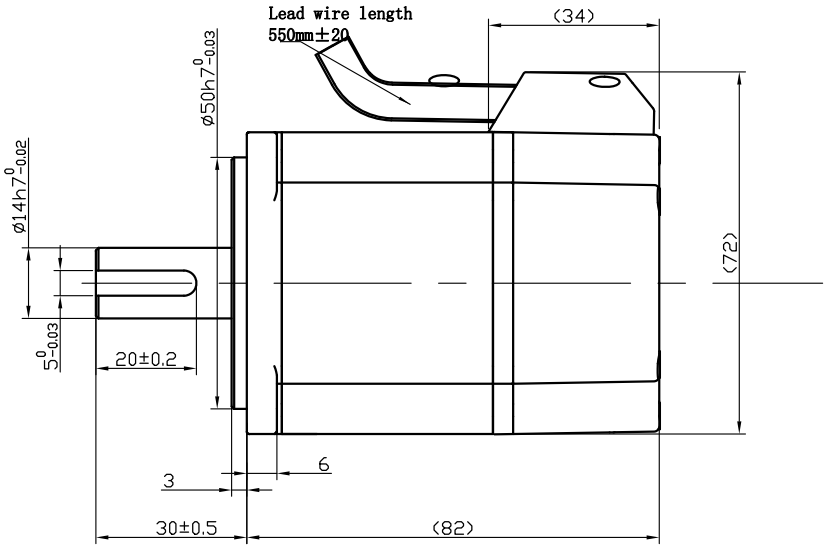
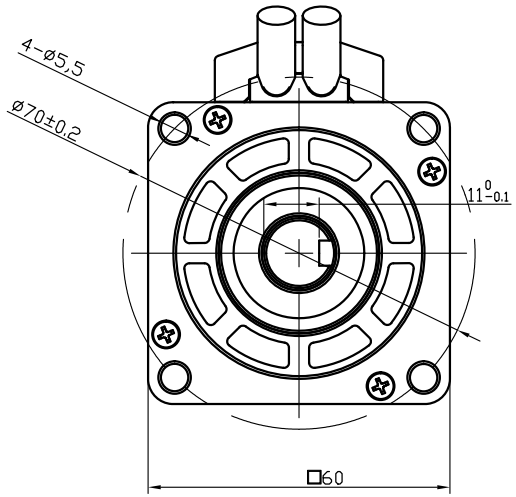
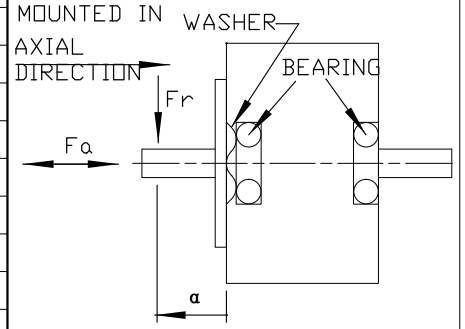



| SPECIFICATION | DATA |
|---|---|
| RATED POWER (W) | 200 |
| RATED SPEED (RPM) | 4000 |
| RATED TORQUE / PEEK TORQUE ( Nm ) | 0.48/1.431 |
| RATED/PEEK CURRENT (A) | 4.96/18.6 |
| NO-LOAD SPEED (RPM) | 5035 |
| EMF COEFFICIENT ( V / krpm ) | 6.46 |
| TORQUE COEFFICIENT (Nm/A) | 0.096 |
| RESISTANCE(Ω@20℃) | 0.505 |
| INDUCTANCE (mH@1kHz) | 1.284 |
| INSULATION CLASS | B |
| FEEDBACK | 10000 counts |
| PROTECTION LEVEL | IP65 |
| OPERATING VOLTAGE (V DC) | 48 |

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING- SPRING




| AXIAL-FORCE Fa(N) | Fa=360 | |
|---|---|---|
| DISTANCE a (mm) | 20 | |
| RADIAL-FORCE Fr(N) | 430 | |
| | AXIAL | RADIAL |
| SHAFT PLAY (mm) | 0.2Max | 0.02 |
| AT LOAD MAX:(N) | 900 | 1100 |

SIGNAL MOLEX 501646-1600

| PIN | FUN. | NOTE | PIN | FUN. | NOTE |
|---|---|---|---|---|---|
| 1 | A | ENCODER | 9 | NC | |
| 2 | A- | | 10 | FG | SHIELD |
| 3 | B | | 11 | H1 | HALL SIGNAL |
| 4 | B- | | 12 | H1- | |
| 5 | I+/Z+ | | 13 | H2 | |
| 6 | I-/Z- | | 14 | H2- | |
| 7 | +5V | +5V POWER VCC | 15 | H3 | |
| 8 | GND | GND | 16 | H3- | |

MOTOR MOLEX 19091046

| PIN | FUNCTION | NOTE |
|---|---|---|
| 1 | U | MOTOR |
| 2 | V | |
| 3 | W | |
| 4 | SHIELD | MOTOR GND |

| REV | DESCRIPTION | DATE | APVD |
|---|---|---|---|
| B | | 20.05.12 | Kevin |
| A | | 18.06.06 | S.K. |

Yanlanmc
For smarter equip

| SCALE FREE | | APVD | S.K. | 18.06.06 |
|---|---|---|---|---|
| X | ±0.5 | CHKD | | |
| 1PL | ±0.2 | DRN | J.W. | 18.06.06 |
| 2PL | ±0.1 | SIGNATURE | | DATE |
| ANGLE | ±30' | | | |

# DC SERVO MOTOR

DWG.NO

APBA60S048030-E