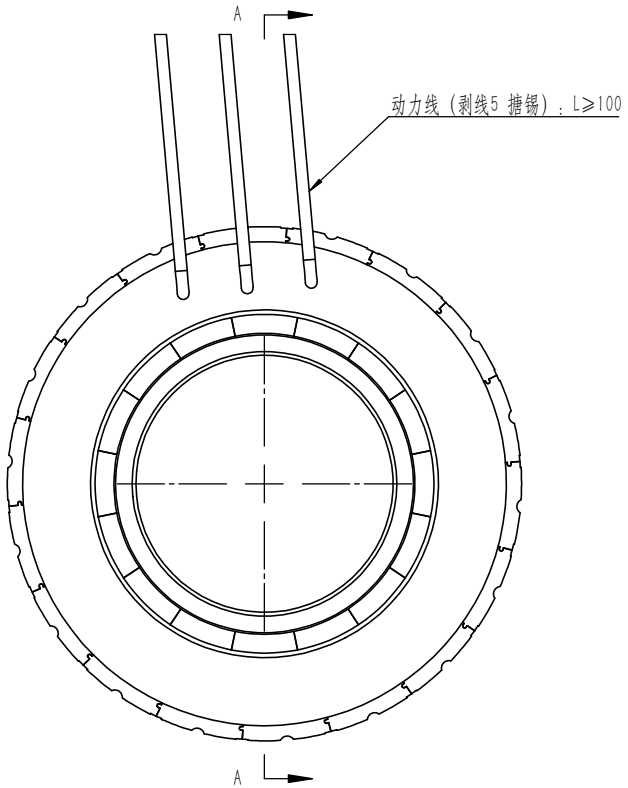
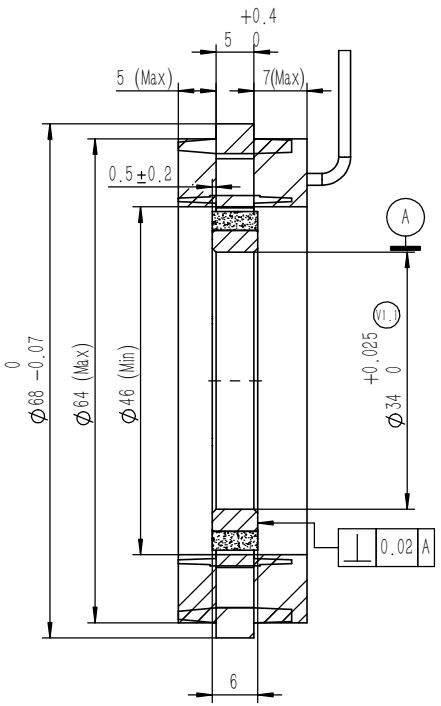
| 动力线 Power Wire | |
|---|---|
| U相 MOTOE U | 兰 BLUE (20AWG) |
| V相 MOTOE V | 棕 BROWN(20AWG) |
| W相 MOTOE W | 紫 PURPLE(20AWG) |




A—A
2 : 1




技术要求：
定子引出线按GB/T 7345-2008要求：
对定子三相线，每根引出线应能承受34.5N的拉力，
试验后，引出线不能断开，绝缘层和线芯不能损坏。

受控

| 技术参数 Technical Data | |
|---|---|
| 极数 No. of poles | 16 |
| 直流母线电压 DC Link Voltage $U_{DC}$ (V) | 48 |
| 额定功率 Rated Power $P_N$ (W) | 101 |
| 额定转矩 Rated Torque $T_N$ (N.m) | 0.32 |
| 额定转速 Rated Speed $n_N$ (rpm) | 3000 |
| 额定电流 Rated Current $I_N$ (A) | 2.8 |
| 最大转矩 Maximum torque $T_m$ (N.m) | 0.96 |
| 最大电流 Maximum Current $I_m$ (A) | 8.4 |
| 连续静态转矩 Standstill torque $T_s$ (N.m) | 0.352 |
| 连续静态电流 Standstill Current $I_m$ (A) | 3.08 |
| 线电阻 Resistance line-line $R_L$ (Ω) | 1.5 (ref) |
| 线电感 Inductance line-line $L_L$ (mH) | 1.24 (ref) |
| 电气时间常数 Electrical time constant $\tau_e$ (ms) | 0.83 (ref) |
| 机械时间常数 Mechanical time constant $\tau_m$ (ms) | 0.99 (ref) |
| 反电势常数 Voltage constant $K_e$ (V/krpm) | 7.7 (ref) |
| 转矩常数 Torque constant $K_t$ (Nm/A) | 0.127 (ref) |
| 转动惯量 Rotor moment of inertia Jm (Kg.cm ) | 0.062 |
| 绝缘等级 Insulation class | F |
| 重量 Weight(Kg) | TBD |

| VER | DESCRIPTION OF CHANGE |
|---|---|
| V1.1 | 更改内径公差 |

| VER | ECN NO | CHANGE |
|---|---|---|
| V1.1 | DCN240178 | ZT |

| | | | | | |
|---|---|---|---|---|---|
| SL | 24-6-14 | DESIGN | ZT | 2024/1/19 | P/NO 307090722SS |
| APP'D | DATE | CHECK | ZZJ | 2024/1/19 | TITLE 无框力矩电机 |
| MATERIAL | | PROCESS | | | USED ON FMC06805-0010-3034N-8DS00 |
| WEIGHT (kg) | 0.901 | STANDARDIZE | | | SCALE: 1:1 VER: V1.1 |
| | | APPROVE | SL | 2024/1/19 | |
| FIRST ANGLE PROJECTION | | SHEET 1 OF 1 | | | KINCO |