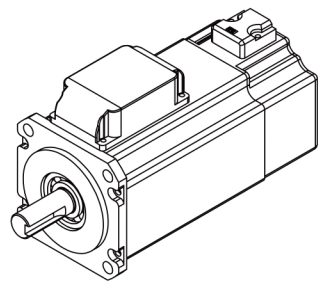
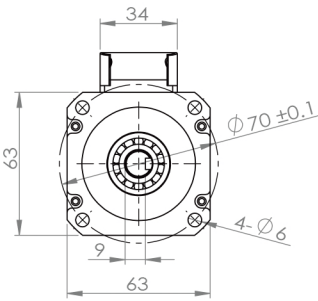
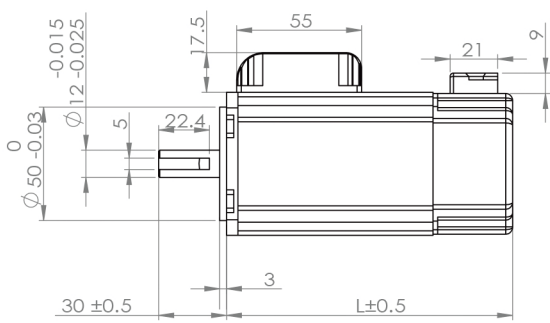


SMP6248(M)L | Servo



L=126mm (SMP62XXL)  
L=110mm (SMP62XXML)

Motor Data

| 电机型号       | Motor model                 |       | SMP6248L                                                                       | SMP6248ML                              |         |
|------------|-----------------------------|-------|--------------------------------------------------------------------------------|----------------------------------------|---------|
| 1 额定电压     | Nominal voltage             | VT    | 48                                                                             |                                        | VDC     |
| 2 空载转速     | No load speed               | Wnl   | 4300                                                                           |                                        | rpm     |
| 3 空载电流     | No load current             | InI   | <1                                                                             |                                        | A       |
| 4 额定转速     | Nominal speed               | Wc    | 4000                                                                           |                                        | rpm     |
| 5 额定转矩     | Nominal torque              | Tc    | 1                                                                              |                                        | Nm      |
| 6 最大转矩     | Maximum torque              | TP    | 6                                                                              |                                        | Nm      |
| 7 额定电流     | Nominal current             | Ic    | 9.5                                                                            |                                        | A       |
| 8 最大电流     | Maximum current             | IP    | 57                                                                             |                                        | A       |
| 9 额定功率     | Nominal power               | PR    | 420                                                                            |                                        | watts   |
| 10 最大功率    | Maximum power               | Pmax  | 1059                                                                           |                                        | watts   |
| 11 线间电阻    | Terminal resistance         | Rt    | 0.31                                                                           |                                        | Ω       |
| 12 线圈电感    | Terminal inductance         | L     | 120                                                                            |                                        | μH      |
| 13 转矩常数    | Torque constant             | Kt    | 0.106                                                                          |                                        | Nm /A   |
| 14 齿槽效应    | Cogging                     | Tc Th | 0                                                                              |                                        | mNm     |
| 15 转子惯量    | Rotor inertia               | J     | 3.01                                                                           |                                        | Kg*cm^2 |
| 16 最高绕组温度  | Max. winding temperature    | Temp  | 120                                                                            |                                        | °C      |
| 17 极对数     | Number of pole pairs        | p     | 4                                                                              |                                        |         |
| 18 重量      | Weight                      | Wt    | 1.35                                                                           |                                        | kg      |
| 19 电机绝缘等级  | Motor insulation class      |       | class B                                                                        |                                        |         |
| 20 防护等级    | Protection class            |       | IP64                                                                           |                                        |         |
| 21 使用环境    | Ambient temperature         |       | -20~+40°C                                                                      |                                        |         |
| 22 编码器可选   | Encoder options             |       | incremental (2500PPR) \ Absolute (17/33 bit)                                   | Magnetic Encoder incremental (2500PPR) |         |
| 23 接线定义    | Teminal definitions         |       | U: 绿 V: 黑 W: 红                                                                 |                                        |         |
| 24 编码器接线定义 | Encoder Teminal definitions |       | A+:蓝 A-:蓝黑 B+:绿 B-:绿黑 Z+:黄 Z-:黄黑 U+:棕 U-:棕黑 V+:灰 V-:灰黑 W+:白 W-:白黑 +5V :红 GND:黑 |                                        |         |

Graph

A: Continuous Working Area  
B: Repeatedly Working Area

