

ZLAC130ASM2350 电气参数 / Electrical Characteristics

| | | | | | | | |
|---|----------------|---|------------------------------------|-----------------------------|--|-----------------------------|---|
| 额定功率(W) Rated Output(W) | 2350 | 线电阻(Ω): Line Resistance(Ω): | $0.04 \pm 10\% (25^\circ\text{C})$ | 法兰 Flange | 130 | 励磁方式 Excitation | 永磁式 Permanent Magnet |
| 额定电压(V) Rated Voltage(V) | 48 | 线电感(mH): Line Inductance(mH): | $0.174 \pm 10\%$ | 机身长(mm) Motor Length(mm) | 142 ± 1 | 噪音(DB) Noise(DB) | $\leq 60\text{DB}$, 无异响 $\leq 60\text{DB}$, None Special Noise |
| 额定转速(rpm) Rated Speed(rpm) | 3000 | 线反电势(V/krpm): Line Back Emf(V/krpm): | $7.7 \pm 10\%$ | 轴长(mm) Shaft Length(mm) | 58 | 振动等级 Vibration Class | V 15 |
| 最高转速(rpm) Max. Speed(rpm) | 3100 | 转子惯量($\text{kg}\cdot\text{m}^2 \times 10^{-3}$): Rotor Moment Of Inertia($\text{kg}\cdot\text{m}^2 \times 10^{-3}$): | $12.9 \pm 10\%$ | 轴径 Shaft Diameter | $\phi 22$ | 环境湿度 Ambient Humidity | 20~80%不结露 20~80% No Condensation |
| 额定电流(A) Rated Current(A) | $59 \pm 10\%$ | 力矩系数(N.m/A): Torque Coefficient(N.m/A): | $0.13 \pm 10\%$ | 电机重量(Kg) Weight(Kg) | $8 \pm 10\%$ | 安装方式 Mounting | 法兰式 Flange Method |
| 瞬时最大电流(A) Instantaneous Max. Current(A) | $118 \pm 10\%$ | 绝缘电阻(M Ω): Insulation Resistance(M Ω): | DC500V, >20M Ω | 耐热等级 Vibration Class | F | 环境温度 Ambient Temperature | 0 ~ +40 $^\circ\text{C}$ |
| 额定扭矩(N.m) Rated Torque(N.m) | 7.5 | 极数: Number Of Poles: | 10 | 保护方式 Enclosure | 全封闭, 自冷IP65(轴贯通部分除外) Totally Enclosed, Self-cooled, Ip65(except For Shaft T Opening). | | |
| 瞬时最大扭矩(N.m) Instantaneous Peak Torque(N.m) | 15 | 编码器: Encode | 2500PPR | 旋转方向 Rotation Direction | 正转指令从负载侧看为逆时针方向旋转 Counterclockwise(CCW) | | |

接线定义 / Wiring Sequence

| 动力线: Power Wire | | | | 电源线: Encoder Power Wire | | |
|--------------------|-------------------|------------|--------------------|-------------------------|--------------------|------------|
| U | V | W | PE | PE | VCC | GND |
| 红 Red | 蓝 Blue | 黑 Black | 黄绿 Yellow Green | 屏蔽线 Shielded Wire | 红 Red | 黑 Black |
| 霍尔线: Hall Wire | | | | | | |
| U+ | U | V+ | V | W+ | W- | |
| 棕 Brown | 棕黑 Brown Black | 灰 Grey | 灰白 Grey White | 白 White | 白黑 Orange Black | |
| 编码器线: Encoder Wire | | | | | | |
| A+ | A- | B+ | B- | Z+ | Z- | |
| 蓝 Blue | 蓝黑 Blue Black | 绿 Green | 绿黑 Green Black | 黄 Yellow | 黄黑 Yellow Black | |

※ 额定转矩表示安装在200×200×6的铝制散热板上且在环境温度40℃时的连续允许转矩值。/Rated torque is the continuous allowable torque at 40℃ with an Al heatsink of 200×200×6



设计变更: Design change

1:

2:

3:

设计: Design

校对: Proofread

版本: Version

日期: Date

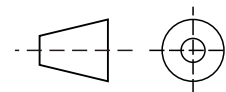
ZWH, LHQ

CX, LHY

V1.00

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视图: View



公司名称: 深圳中菱科技有限公司

Company Name: ShenZhen ZhongLing Technology Co., Ltd.

产品名称: 低压直流伺服电机

Product Name: Low voltage DC Servo Motor

产品型号: ZLAC130ASM2350

Product P/N: ZLAC130ASM2350