GuangDong M&C Electric Power Co.,Ltd

产品规格书

PRODUCT SPECIFICATION

| 客户 | 客户名称/Customer | |
|----|-------------------|--|
| | 客户料号/part NO. | |
| | 客户承认签章 | |
| | Customer Approved | |
| | Signatures | |

| 文件编号/Spec NO. | LX0834L20130926-01 | |
|---------------|--------------------|-------------|
| 品名 | 扁平振云 | |
| Description | | |
| 型号/Model | | |
| 送样日期/Date | | |
| 设计/Designed | 审核/checked | 批准/Approved |
| | | |

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规格书内容

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1. 适用范围/General 1/8

本说明书适用于扁平式永磁直流电机 C0834 系列

This specification applies to coin permanent magnetic motors DC midel $\protect\ensuremath{\mathrm{e}}$ $\protect\ensur$

| | 项目/ Item | 规格/Specification |
|-----|-----------------------|---|
| 2-1 | 额定电压 | 3. 0V DC |
| | Rated voltage | |
| 2-2 | 使用电压范围 | 1.8~3.8V DC |
| | Operating voltang | |
| 2-3 | 旋转方向 | CW(clockwise) or CCW(contary clockwise) |
| | Rotation | |
| 2-4 | 使用环境 | -20∼+60℃,Ordinary Humidity |
| | Operating environment | |
| 2-5 | 保存环境 | -30∼+70℃,Ordinary Humidity |
| | Storage environment | |

2. 测定条件/Measuring condition

| | 项目/ Item | 规格/ Specification | |
|-----|--------------|----------------------|--|
| 3-1 | 温度 | 25±3℃ | |
| | Temperature | | |
| 3-2 | 湿度 | 62±20% RH | |
| | Humidity | | |
| 3-3 | 气压 | 1011±40 hpa | |
| | Air pressure | | |
| 3-4 | 电流 | 3V 直流电流 | |
| | Current | Stbilized DC current | |

3. 初期电气性能/Electrical initial characteristics

| | 项目/Item | 规格/Specification | 条件/Condition | |
|-----|-----------------------|----------------------------|---|--|
| 4-1 | 额定转速 | 11000±2000rpm | 额定电压下 | |
| | Rated speed | | At rated voltage | |
| 4-2 | 额定电流 | 75mA Max | | |
| | Rated current | | | |
| 4-3 | 起动电流 | 110mA Max | | |
| | Starting current | | | |
| 4-4 | 起动电压 | 1.5V DC Max | 在最小起动电压下起动 | |
| | Starting voltage | | Motor is rotating at min starting voltage | |
| 4-5 | 绝缘电阻 | 10MΩ Min | 在 100V 直流下, 导线和机壳间 | |
| | Insulation resistance | | At DC 100Vbetween lead wire and case. | |
| 4-6 | 端子阻抗 | 31Ω±15%(单相 sigle posture) | 在 25℃下 | |
| | Terminal resistance | 59Ω±15%(双相 double posture) | At 25℃ | |

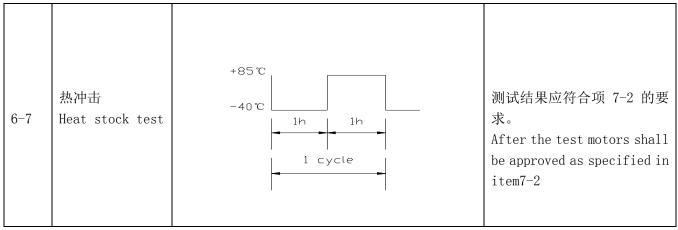
5. 机械性能/Mechanical characteristics

| | 项目/ Item | 规格/ Specification |
|-----|------------------------------|------------------------------------|
| 5-1 | 底盖偏转强度 | 9. 8N以上 |
| | Bracket deflection strength | 9. 8N or more |
| | 机械噪音 | 小于 50 分贝. A 计权 50dB(A)Max |
| | Mechanical noise | |
| | 在额定电压以下 | |
| | At rated voltage | |
| | 背景噪音:不大 28dB. A 计权 | |
| 5-2 | Back ground noise 28dB(A)Max | |
| | | Microphone Motor Testblock Foam |

6. 耐久性能/Durability characterisics

| | <u> </u> | 加林 / Specification | 判学标准/Judgmont |
|------|------------|---|---|
| - 坂阜 | 考命 Life | 规格/ Specification White items of the state | 判定标准/Judgment 试验后,马达应符合项 7-1 的要求。 After the test, motors shallbe approved as specified in item7-1. |

| 项目/ Item | | 规格/ Specification | 3/8 判定标准/ Judgment | |
|----------|-------------------------------|--|--|--|
| 6-2 | 低温放置 Low temp exposure | 温度 /Temperature :-30 时间 /Time :96h | 在常温常湿下放置 4 小时后,马 | |
| 6-3 | 高温放置 High temp Exposure | 温度 /T Temperature :+70 时间 / Time :96h | 达应符合项 7-2 的要求。 After 4 hours exposure inordinary temperature andhumidity Motors shall be approved as specified in item7-2. | |
| 6-4 | 湿度放置 Humidity exposure | 温度 / Temperature :+40 湿度 /Humidity :95%RH 放置时间 /Exposure time :96h 无水气凝结/NO condensation of moisture | | |
| 6-5 | 振动 Vibration | 全振幅 /Displacement :1.5mm (p-p) 频率 /Frequency:10~54Hz 加速度 /Acceleration :22m/s 周期 /Period:10min 范围内(10~55~10Hz) | 测试结果应符合项 7-2 的要求。 After the test motors shall beapproved in item7-2. | |
| 6-6 | 自然跌落 Free fall | 试验状态 /Test state:将马达固定睚约 100 克 (包括马达本身) 的物体上,落向水泥地面。 Set the motior to the approximately 100g(includethe motor) Weight of block drop the motor on the concrete floor. 高度 /Height :1.5m 方向 /Direction: ±x. ±y ±z. 次数 /Number of times:每个方向 3 次/Each 3 times 冲击 /Shock:29420m/s 相当/Equivalent(3000G) | 测试结果应符合项 7-2 的要求 After the test motors shall beapproved as specified in item7-2. | |



7. 要求/

| 要求/ | | | | | |
|-----|----------------|-------------------------------|--|--|--|
| | 项目/ Item | 判定基准确/ Judgment | | | |
| | | 1. 额定转速/Rated speed | :不低于初始值 -30% :不高于初始值+50% : data+30% lnitial Min : data+50% lnitiial Max | | |
| 7-1 | 表 A Table A | 2. 额定电流/Rated current | :不低于初始值 30% :不高于初始值+50% :data+30% lnitial Min :data+50% lnitiial Max | | |
| | | 3. 起动电压/ Starting voltage: | :不大于 2.5V 直流电压 2.5V DC Max | | |
| | | 4. 绝缘电阻/Lnsulation resistance | :大于 10M Ω Min :10M Ω Min | | |
| | | 5. 端阻/Terminal resistance: | : 不大于初始值±15% :lnitial data±15% Max | | |
| | | 1. 额定转速/Rated speed | :不大于初始值±20% /lnitial data±20% Max | | |
| | | 2. 额定电流/Rated current | : 不高于初始值±20% Max /lnitial data±20% Max | | |
| 7-2 | 表 B Table B | 3. 起动电压/Starting voltage: | : 不在于 2.5V 直流电压 2.5V DC Max | | |
| | | 4. 端阻/Terminal resistance: | :不大于初始值±15% Max /lnital data±15% Max | | |
| | | | | | |

8. 使用时注意事项/Matters to be paid attention to when using motor

8-1 必须按照规格书标准使用,否则性能和寿命都将受到相当地减少,必须注意电压的使用范围。

Unless it is used in accordance with specifications the performance and life may de considerably Reduced. Due attention should be pai to voltage and rahge for use.

- 8-2 建议马达在六个月内使用,不要在以下环境中使用及保存:
 - 1. 高温和高湿的场所:
 - 2. 腐蚀性气体,如: H₂S, SO₂, NO₂, C1₂,
 - 3. 生锈场所。

Advice use this motor within 6 month as avoiding as possible

Avoid use or save the motpr in the following environment.

- 1. High temperature and high humidity area
- 2. Corrosive gas such as H_2S , SO_2 , NO_2 , $C1_2$,
- 3. Dusty area
- 8-3 注意处理马达的工作环境,避免含铁质物体被马达吸住,否则马达将会产生噪声,性能会降低,从而减少产品可靠性。

Due attention must be paid to the handling and working environments because such objects as iron powder if

Attracted by the motor magnent, will cause noise, characteristic deterioration thus reducing the reliability.

8-4 应确信本产品不会与相关标准, 法规, 政令相背。

Please confirm enough no problem of standards and laws and ordinances on your cellular.

8-5 拿马达时, 要轻拿轻放。

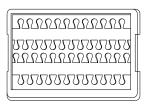
TO handle the motor, hold the motor case softly

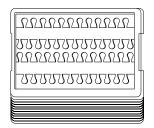
8-6 钢板面边缘有少许锈斑是允许的。

Rust of plate (steel) and similar edge should be OK.

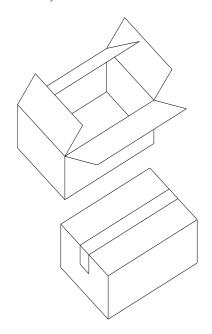
扁平系列马达包装 Pack drawing of coin type

100PCS(1 tray) \times 10





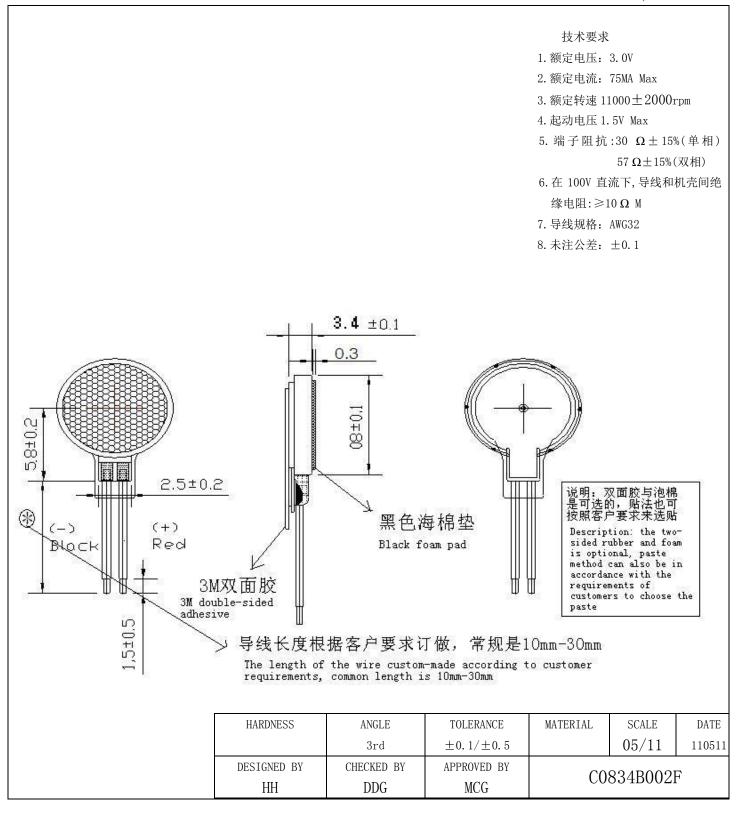
1000PCS(1 bundle)



Remarks:

200PCS/CTN: 41.5cm×27 cm×16 cm 4000PCS/CTN:41.5cm×27cm×31.5cm

包装试验要求沿外包装箱±X, ±Y和±Z方向,距水泥在面1.5M高度,各自由跌落2次,马达应无机械损伤,电气性能仍符合标准要求.



| CUSTOMER 顾客 | | SPEC NO 规格书号 | | 页码: 8/8 |
|----------------|---------|-----------------|------|---------|
| PRODUCT | LX0834L | | DATE | |
| MODEL | | | 日期 | |
| 产品型号 | | | | |

REVISED RECORD

修改记录

| REV NO | DATE | PAGF | REVISION ITEM | REASON |
|--------|------|------|---------------|--------|
| 修改号 | 日期 | 页码 | 修改日期 | 更改原因 |
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