



胜丰电子有限公司

APPROVAL SHEET

Customer:

Customer P/N: SF 6010SM5

Description: DC FAN

Model NO.: SF 6010SM5

Version.: A Issue NO.: 19SFH1014

Issue date: 2019-10-10 Quantity: 2PCS

***Please sign back this specification for our record upon your approval.**

Thanks!

| Company Stamp | CUSTOMER APPROVAL Stamp |
|------------------|-------------------------------|
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| 复核：张楚辉 | 核准： |
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1.0: 一般规格 (General Specification)

| 项目 (Item) | | 规格/条件 (Specification/Condition) | |
|-----------|---|---|---|
| 1 | 型号(Model No.) | SF 6010SM5 | |
| 2 | 外型尺寸 (Outline Dimension) | 60*60*10 | |
| 3 | 工作电压 (Operating Voltage) | DC 3.7-6.8 V | |
| 4 | 额定电压 (Rated .voltage) | DC 5.0V | |
| 5 | 起动电压 Starting Voltage | DC ≤3.7V on/off | |
| 6 | 额定电流 (Rated current) | 0.14A±10% | a. 额定电压(Rated .voltage) b.25°C 65% RH c.After testing for 5 minutes |
| 7 | 消耗功率 (Power consumption) | 0.70W | |
| 8 | 转速 (Speed) | 4000±10%RPM | |
| 9 | 风量 :(Airflow) (AT ZERO STATIC PRESSURE) | 16.20CFM | a. 额定电压(Rated .voltage) b. AMCA 标准 (Standard) C. 额定电流(Rated current) |
| | 静压 : (Air .Static Pressure) (AT ZERO AIRFLOW) | 2.29mmH2O | |
| 10 | 噪音标准 (Noise Level) | Max:32.80dBa | a. 额定电压 (Rated Voltage) b. 18dB无响室 (18dB Non-Echo Chamber) c. 标准 (Standard):CNS 8753 / ISO 3744 d. Test Condition :ISO 7779 e. 距离 (Distance): 1.0 M |
| 11 | Life expectancy(期望寿命) | 25000 hrs at temp40°C Humidity5%-95% | MTTF (Mean Time To Failure) Conf. Level 90%) |
| 12 | 扇叶数 | 11 叶 | |

| | | |
|----|---------------------------------------|-------------------------------|
| | (No.of.Blade) | |
| 13 | 极数 (No.of.Pole) | 4 极 |
| 14 | 运转方向 (Rotating Direction) | 逆时针/运转方向是从扇叶面看 |
| 15 | 锁住保护 Lock Protection | <input type="checkbox"/> 无 NO |
| 16 | 极性保护 Polarity Protection | <input type="checkbox"/> 无 NO |
| 17 | 过流保护 (Over current protection) | <input type="checkbox"/> 无 NO |
| 18 | 恒速功能 fixed constant speed Function | <input type="checkbox"/> 无 NO |
| 19 | FG 功能 FG function | <input type="checkbox"/> 无 NO |
| 20 | PQ 曲线 | |

2.0:主要材料/零件规格 (Main Materials/parts Specification)

| 材料/零件 (Materials/parts) | | 规格(Specification) | |
|---------------------------|---|----------------------------------|--------|
| 1 | 塑料材料/扇叶 外框 (Plastic Material/Blade, Housing) | PBT 黑色方框 11 叶 | |
| 2 | 轴承 (Bearing Type) | 含油轴承 (Sleeve Bearing) | |
| 3 | 引线 (Lead Wire) | UL1061#26#190mm 分线 2.54 两 PIN 反端 | |
| 4 | 端子 (Connector) | 红(VCC) | 黑(GND) |

3.0 電性規格 (Electrical Specifically)

| | | |
|---|-------------------------------|---|
| 1 | 絕緣阻抗 Insulation Resistance | 10MΩ/裸線与外框間測量，500VDC/min 10MΩ/between unshackled wire and frame at 500VDC/min |
| 2 | 絕緣耐压 Dielectric Strength | 5Ma Max./導線与外框間測量，500VAC/min 5Ma Max./Measured between lead wire(+)and frame at 500VAC/min |
| 3 | 防水等级 Waterproof level | IP X0 |

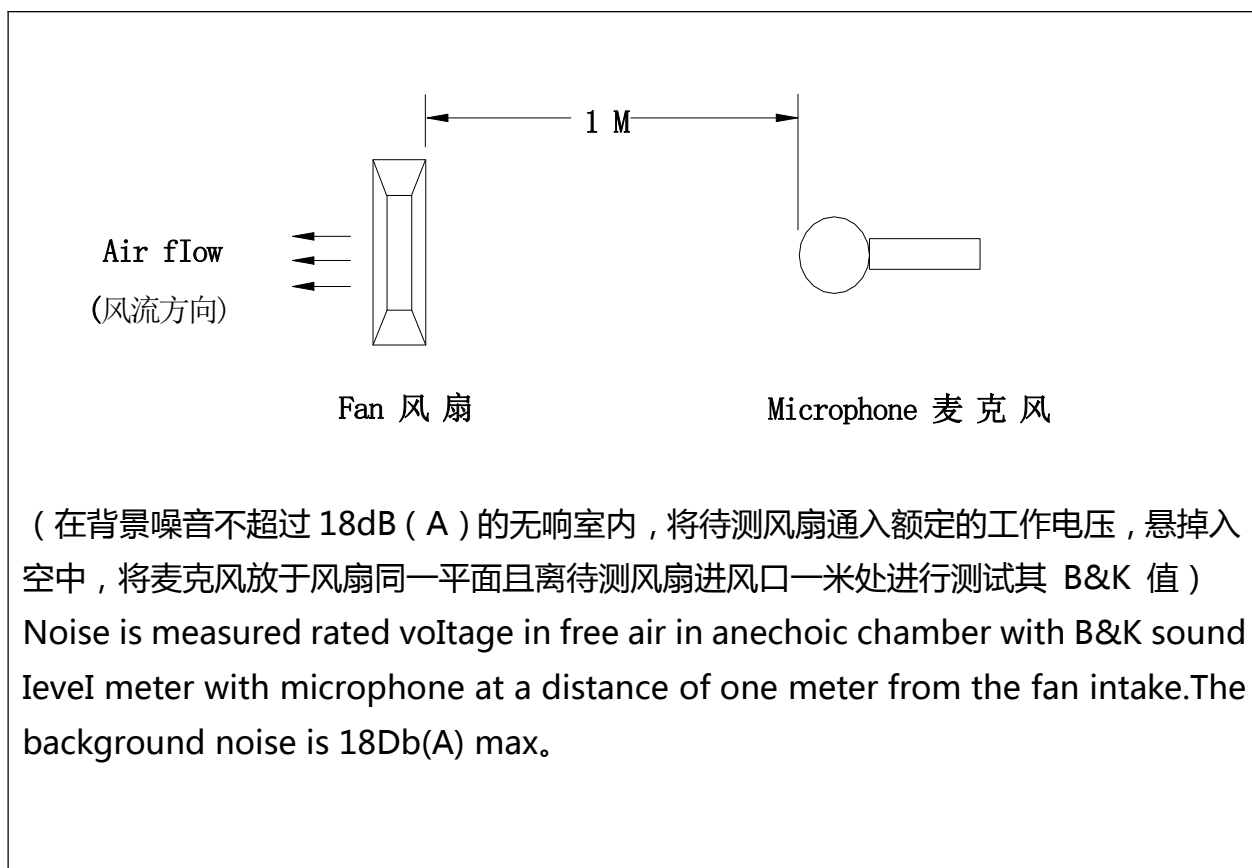
4.0 环境测试 (Environmental Specification)

| | | |
|---|-----------------------------------|--|
| 1 | 运转温/湿度范围 Operating Temp .Range | 温度/Temperature:-10°C - +70°C 湿度/Humidity:5% - 95%RH |
| 2 | 保存温/湿度范围 | 温度/Temperature:-40°C - +75°C |

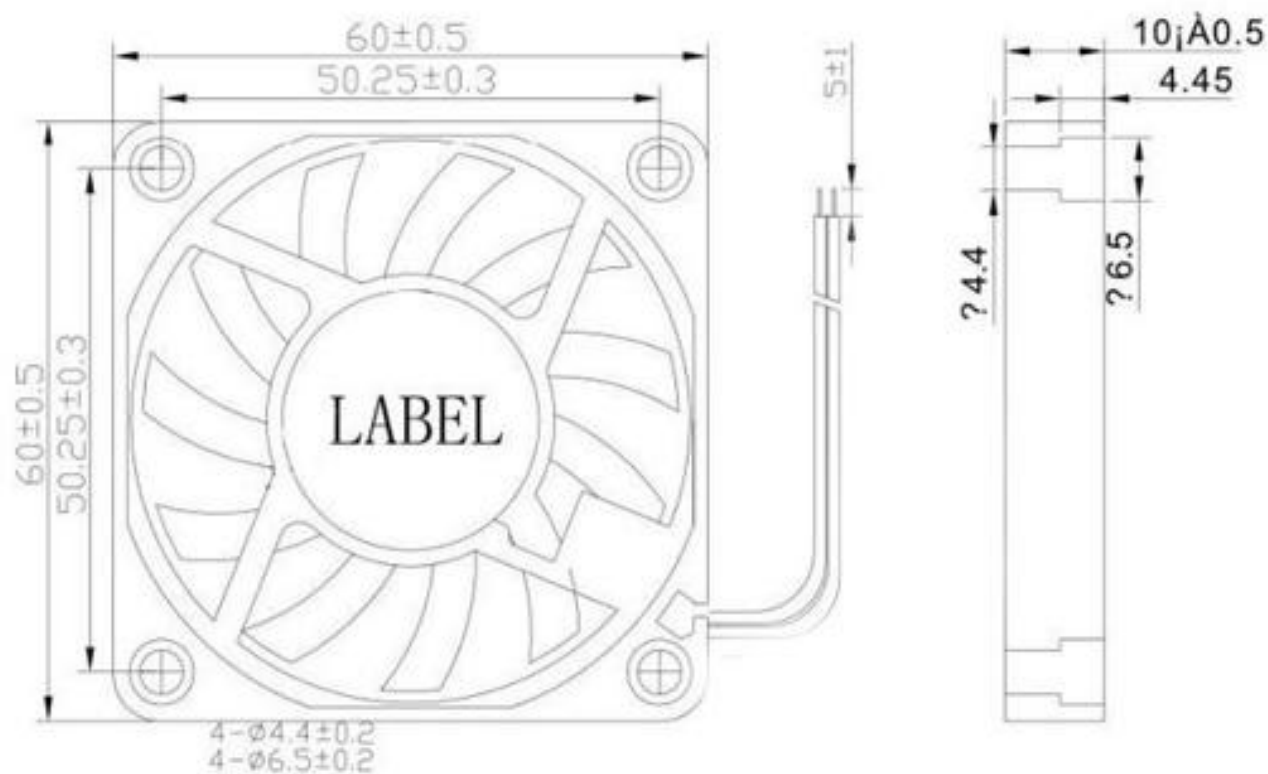
| | | |
|---|-------------------------------------|---|
| | Storage Temperature | 湿度/Humidity:5% - 95%RH |
| 3 | 耐湿性 Humidity | 电气规格依据 MIL-STD 202F Method 103B 湿度：95%RH 温度：40±2°C |
| 4 | 热冲击 Thermal Shock | 电气规格依据 MIL-STD 202F Method 107D Per MIL-STD 202F Method 107D,Condition D |
| 5 | 绝缘阶段 Insulation Shock | UL: A 种 UL : Class A |
| 6 | 包装耐振动试验 Packing Vibration Test | 包装后，XYZ 三方向施 1.1G load vibration test for 30min .No serious damage |
| 7 | 包装耐冲击试验 Packing Shock Proof Test | 捆包后，高 60 公分，1 棱角 3 边 6 面自然落下，无 严重损坏。 1comer,3edges, 6faces natural drop from 60cm high packing No serious damage |

5.0 在无响室额定电压下之噪音测试

(NOISE IS MEASURED AT RATED VOLTAGE IN ANECHOIC)



6.0 框叶图纸



胜丰电子有限公司

SHENGFENG ELECTRONICS CO.,LTD

400-9920-988

制图: 陈卿伟

www.fancool.net

审核: 陈惠

7. 注意事项 (Nores)

- 7-1. 使用时请勿超出本规定所规定之极限，否则我们不保证此产品
We, will nor guarantee the products if the application of our products are exceeded the limitation which is specified on the specification
- 7-2. 倘若要变更此份文件任何规格，请务必事先提出要求
In case of changes of the specification specified on this document A WRITTEN NOTICE IS REQUESTED IN ADVANCE
- 7-3. 请勿触压着叶片以电源线缠绕着风扇或用力拉扯电源线，如此轴心与电源线将会被损坏
please do not touch the impeller with the pressure and never bring the fan with lead wire. The bearing and lead wire may be damaged
- 7-4. 本产品不保证因粉尘、水滴、小虫进入，而影响寿命与不良产生
No guarantee on the products against the safety problem or failure caused by powder dust, drop of water or insect
- 7-5. 如有任何资料及文件与此份资料不同，将以此份资料为主要参考
If there is any data or related documentation different from this data sheet. This data sheet is the principle reference
- 7-6. 请勿在可燃性气体与任何有害环境中使用
please do not use the fan in the environment of corrosive gas or liquid or any detrimental gas
- 7-7. 请于六个月内使用，否则风扇存放在很高温或很低温及湿度很高的室温中，风扇于六个月后可能会有漏电流产生
please do not store the fan in the environment of high/low temperature, high humidity or detrimental gas. Please store within six months, every six months, shall be a leakage of electric current to the fan, even though the fan is stored in room temperature
- 7-8. 当风扇于运转中，请勿企图将风扇锁死特别长的时间，如此，会因连续停止不转，产生高热而烧毁风扇
while the fan is in operation, please do not lock the fan intentionally for a long period of time, since the continuous stoppage will result in overheat and thus burnt out the fan..
- 7-9. 组装风扇时，请特别注意，因共振或振动产生的噪音
During the installation of the fan, please pay substantial attention to possible noise caused by resonance vibration and shock
- 7-10. 当搬运或作业中，风扇如从 60cm 的高处落下，将会对叶片的平衡产生若干影响，特别是滚珠轴承避免掉落
It is very important to notify that avoid to drop from 60cm height when in any movement or operation, it will impact the balance of blade. Especially ball bearing structure is avoided to drop down
- 7-11. 锁外壳之螺丝扭力不得超 4.6 kg -5.3 kg
The torque of the screw that locked the frame should not exceed 4.6kg-5.3kg

Shenzhen BCTC Testing Co., Ltd.

BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road,
Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China



Certificate of Compliance

Applicant : SHENGFENGHONG ELECTRONICS CO.,LTD.
No.1-2205 Yabao Rd., Bantian, Longgang Distict, Shenzhen, China

Manufacturer : SHENGFENGHONG ELECTRONICS CO.,LTD.
No.1-2205 Yabao Rd., Bantian, Longgang Distict, Shenzhen, China

Product : Draught fan*cooling fan
M/N : 12032 DC48V B2 BLOWER
SFH12032, SFH1504, SFH1805, SFH2006, SFH2010, SFH2507, SFH2510,
SFH3007, SFH3010, SFH3020, SFH3507, SFH3510, SFH4007, SFH4010,
SFH4015, SFH4020, SFH4028, SFH4056, SFH5010, SFH5012, SFH5015,
SFH5020, SFH5025, SFH6010, SFH6015, SFH6020, SFH6025, SFH6038,
SFH7010, SFH7015, SFH7020, SFH7025, SHF7030, SFH7038, SFH7530,
SFH8010, SFH8015, SFH8020, SFH8025, SFH8038, SFH9010, SFH9015,
SFH9020, SFH9025, SFH9038, SFH9210, SFH9215, SFH9220, SFH9225,
SFH9238, SFH10025, SFH11025, SFH12025, SFH12038, SFH14025,
SFH14038, SFH15050, SFH16050, SFH17238, SFH17251, SFH18060,
SFH20060, SFH22060, SFH25489

Test Standard : EN 55032: 2015, EN 55035:2017
EN 61000-3-2:2014, EN 61000-3-3:2013

Order No. / Report No. : BCTC-LH180601620C/BCTC-LH180601620E

The EUT described above has been tested according to the listed standards and found in compliance with the council EMC directive 2014/30/EU. The observations and test results referenced from this Certificate are relevant only to the sample tested. This Certificate is for the exclusive use of BCTC's Client and is provided pursuant to the agreement between BCTC and its Client. This Certificate is part of the full test report(s) and should be read in conjunction with it.



This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

Tel: 400-788-9558 0755-33019988
Http://www.bctc-lab.com Http://www.bctc-lab.com.cn



Shenzhen BCTC Testing Co., Ltd.

BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road,
Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China



Verification of Conformity

Certificate Number: BCTC-LH180601621C

We herewith confirm the following designated product:

Applicant : **SHENGFENGHONG ELECTRONICS CO.,LTD.**
No.1-2205 Yabao Rd., Bantian, Longgang Distict, Shenzhen, China

Manufacturer : **SHENGFENGHONG ELECTRONICS CO.,LTD.**
No.1-2205 Yabao Rd., Bantian, Longgang Distict, Shenzhen, China

Product : **Draught fan*cooling fan**
M/N : **12032 DC48V B2 BLOWER**
SFH12032, SFH1504, SFH1805, SFH2006, SFH2010, SFH2507, SFH2510,
SFH3007, SFH3010, SFH3020, SFH3507, SFH3510, SFH4007, SFH4010, SFH4015,
SFH4020, SFH4028, SFH4056, SFH5010, SFH5012, SFH5015, SFH5020, SFH5025,
SFH6010, SFH6015, SFH6020, SFH6025, SFH6038, SFH7010, SFH7015, SFH7020,
SFH7025, SHF7030, SFH7038, SFH7530, SFH8010, SFH8015, SFH8020, SFH8025,
SFH8038, SFH9010, SFH9015, SFH9020, SFH9025, SFH9038, SFH9210, SFH9215,
SFH9220, SFH9225, SFH9238, SFH10025, SFH11025, SFH12025, SFH12038,
SFH14025, SFH14038, SFH15050, SFH16050, SFH17238, SFH17251, SFH18060,
SFH20060, SFH22060, SFH25489

The submitted sample of the above equipment has been tested and found to comply with the following standards:

- **FCC Part 15, Subpart B**
- **ANSI C63.4: 2014**

This verification is part of the full test report(s) and should be read in conjunction with it. The referred Test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified FCC standard.

This Verification does not imply assessment of the production of the product.



This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

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