規 格 承 認 書

SPECIFICATION FOR APPROVAL

客戶名稱：　TM&F
(CUSTOMER)

客戶料號：
(PART NO)

品名規格：　**DFB501005M**
(DESCRIPTION)

送樣日期：　2009-4-21
(SENDING DATE)

客戶簽章： SIGNATURE	永林興電子(深圳)有限公司制作		
	審 核： APPROVED BY:	確 認： CHECKED BY:	作 成： PREPARED BY:
	周向阳	吴明峰	周 园

敬請"客戶簽章"欄簽核後將零件承認書回傳永林興公司，以便後續作業，謝謝！

永林興科技有限公司
YOUNG LIN TECH CO.,LTD.
致宣電子深圳有限公司
ZHI XUAN ELECTRONICS(SHENZHEN)CO.,LTD.

YLTC

ISO9001(2000)
ISO14001
CERTIFIED SUPPLIER
Version 2006 http://www.yltc.cn

SPECIFICATION FOR APPROVAL

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TO: TM&F	SAMPLE ISSUE NO.: YLM0090454-3
MODEL: DFB501005M	SAMPLE ISSUE DATE: 2009-4-21
PART NAME: __DC FAN(RoHS)_	SAMPLE Q' TY: 0PCS
	REV: 0

1. SCOPE:

   THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL

   CHARACTERISTICS OF THE DC BRUSHLESS FAN.THE FAN

   MOTOR IS WITH TWO PHASES AND FOUR POLES.

2. CHARACTERS:

ITEM	DESCRIPTION
RATED VOLTAGE	5VDC
OPERATION VOLTAGE	4~6VDC
STARTING VOLTAGE	3.5VDC(ON/OFF)
INPUT CURRENT	0.13 ± 0.02A
SPEED (10 MINUTE/ ROOM TEMPERATURE 25℃)	4500 RPM$\pm$15%
AIR FLOW (AT ZERO STATIC PRESSURE)	9.42CFM
AIR PRESSURE (AT ZERO AIRFLOW)	2.27mmH$_2$O
ACOUSTICAL NOISE (AVG.)	26.09dB-A
SAFETY TYPE	UL TUV CE

(Continued)

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YOUNG LIN TECH CO., LTD,

MODEL: DFB501005M

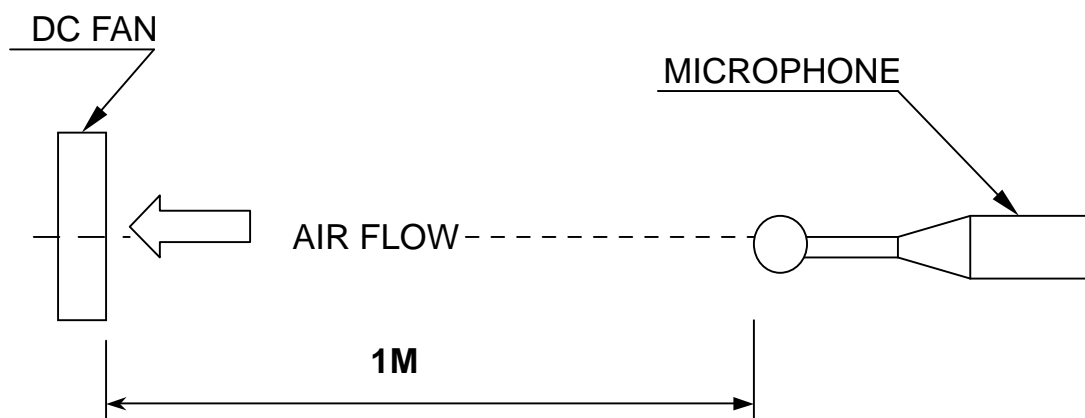|	
INSULATION STRENGTH	10 MEG OHM MIN.AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)
DIELECTRIC STRENGTH	5 mA MAX. AT 500 VAC 60 H_Z ONE MINUTE, (BETWEEN FRAME AND (+) TERMINAL)
LIFE EXPECTANCE	50,000 HOURS CONTINUOUS OPERATION AT 25℃ WITH 15~65 %RH.
ROTATION	WIDDERSHINS VIEW FROM FRAME PLATE SIDE
OVER CURRENT SHUT DOWN	INAPPLICABILITY
LEAD WIRE	UL1007 – AWG #26 BLACK BLACK: (-) RED RED : (+)

NOTES: 1. ALL READINGS ARE MEASURED AFTER STABLY WARMING UP
THROUGH 10 MINUTES.
2. THE VALUES WRITTEN IN PARENS, ARE LIMITED SPEC.
3. ACOUSTICAL NOISE MEASURING CONDITION:

DC FAN

MICROPHONE

AIR FLOW

1M

NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN ANECHOIC
CHAMBER WITH B & K SOUND LEVEL METER WITH MICROPHONE AT
A DISTANCE OF ONE METER FROM THE FAN INTAKE

YOUNG LIN TECH CO., LTD,

− −

MODEL: DFB501005M −

3. MECHANICAL:

3-1. DIMENSIONS− − − − − − − − − − − ·SEE DIMENSIONS DRAWING
3-2. FRAME− − − − − − − − − − − − − − − − −PLASTIC UL: 94V-0
3-3. IMPELLER − − − − − − − − − − − − − − − − ·PLASTIC UL: 94V-0
3-4. BEARING SYSTEM − − − − − − − − − − − −TWO BALL BEARING
3-5. WEIGHT − − − − − − − − − − − − − − − − − 20 GRAMS

4. ENVIRONMENTAL:

4-1. OPERATLNG TEMPERATURE − − − − − − − −-10 TO + 70 DEGREE C
4.2. STORAGE TEMPERATURE− − − − − − − − − -40 TO + 75 DEGREE C
4-3. OPERATING HUMIDITY − − − − − − − − − − − − −5 TO 90 % RH
4-4. STORAGE HUMIDITY − − − − − − − − − − − − − − 5 TO 95% RH

5. PROTECTION:

5-1. DROP TEST
IN MINIMUM PACKAGING CONDITION FAN WITHSTANDS EACH ONE
DROP OF THREE FACES FROM 30 CM DISTANCE HEIGHT ONTO 10 MM
THICKNESS OF WOODEN BOARD.

5-2. LOCKED ROTOR PROTECTION
IMPEDANCE OF MOTOR WINDING PROTECTS MOTOR FROM FIRE IN 15
MINUTE OF LOCKED ROTOR CONDITION AT THE RATED VOLTAGE.

6. RE OZONE DEPLETING SUBSTANCES;
6-1.RESTRICTION SUBSTANCES OF SAMPLE ARE AS FOLLOWS:
Pb(PPM)＜1000   Cd(PPM)＜100   Hg(PPM)＜1000
Cr6+ (PPM)＜1000   PBBs (PPM)＜1000   PBDEs (PPM)＜1000

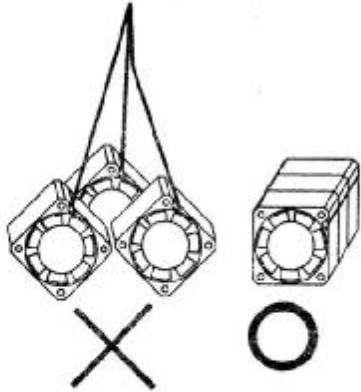| YLTC	Research & Development Department		
	Approved BY:	Checked BY:	Prepared BY:
	周向阳	吴明峰	周园

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IMPORTANT NOTES & GENERAL INSTRUCTIONS

1. Any item which is needed to add into specification shall be determined on customer's prior written request. If no information given , fan will be delivered based on our standard judgment.

2. Customer shall confirm the matching and reliability of fan on actual set or unit application.

   This include confirmation on set or unit life, electrical noise, mechanical noise, Vibration static electricity ,electric power noise ,drift ,electric resonance between motor and control circuit ,mechanical resonance between motor and chassis, irregular movement of set due to motor noise ,irregular movement of set in strong electromagnetic field ,damaged by lightning surge earthing method etc

3. In order to improve the performance within the scope of specification, parts or material changes are subject to prior notice to customer.

4. Any revisions on the specification shall be done based on mutual discussion and agreement.

5. When any trouble occurs, both parties shall discuss on this specification to solve the matters. In this case, our guarantee is only limited to fans
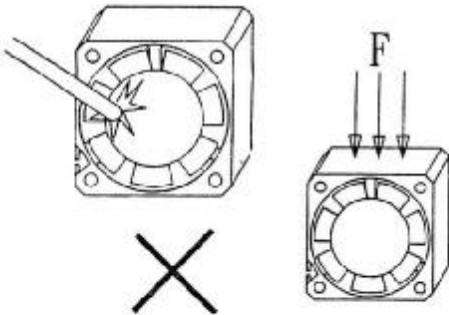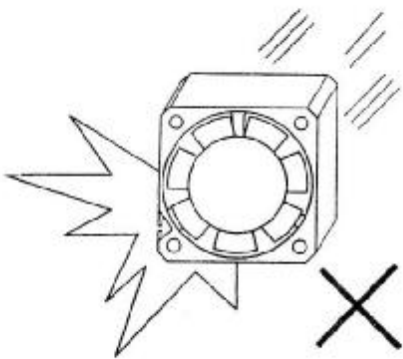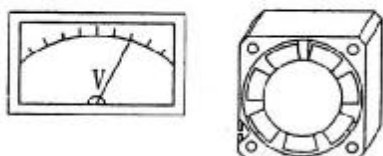
風扇使用注意事項

☆ HOW TO HANDLE FAN PROPERLY?

1. 取用風扇,輕取外框兩側,不可拉扯導線.
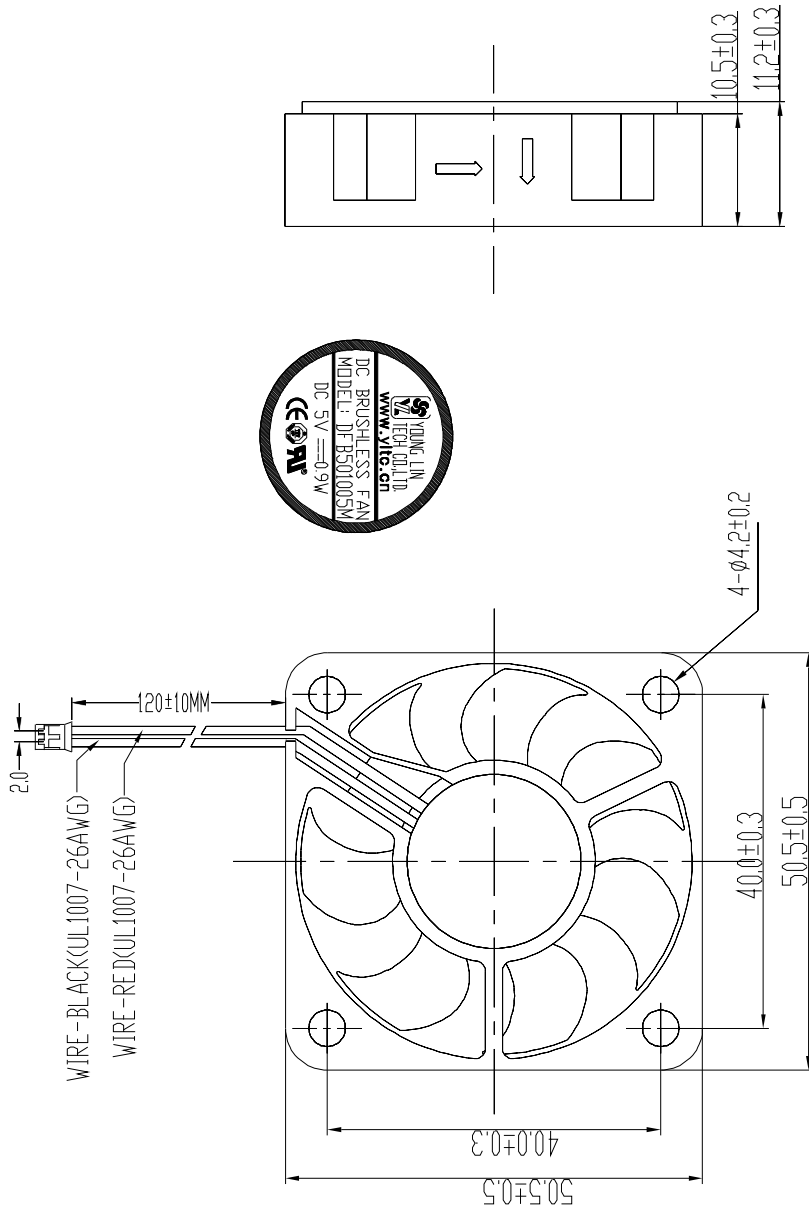1. Hold the fan by frame side. Do not hold lead wires to support the fan.

2. 取用風扇,不可碰觸或擠壓扇葉與外框.
2. No touching or pressing on the impeller hub. Avoid crushing the frame side.

3. 風扇嚴禁掉落地面,或敲擊外框任何面.
3. Do not drop on the ground. Do not pound on the frame side.

4. 風扇電源需依照規格電壓安裝使用.
4. Connect leads priperly and applty voltage according to specification.

10.5±0.3
11.2±0.3

DC BRUSHLESS FAN
MODEL: DFB501005M
DC 5V ⎓0.9W
YONG LIN
TECH CO.LTD
www.yltc.cn

4-Φ4.2±0.2

120±10MM

2.0

WIRE-BLACK(UL1007-26AWG)
WIRE-RED(UL1007-26AWG)

40.0±0.3
50.5±0.5

40.0±0.3
50.5±0.5

	DESCRIPTION	REMARKS			DC FAN		
				DESCRIPTION	DC FAN		
				MODEL NO.	DFB501005M		
				DRAW: 周四	CHKD: 吴明峰	APPD: 周尚阳	SCALE N.T.S

DESCRIPTION | SPECIFICATION | Q'TY | VENDOR | PART NO. | REMARKS

NO.

YONG ILN XING ELECTRONICS(SHENZHEN) CO., LTD