

CUSTOMER: 深圳健策

NO.:2018062104

DISTRIBUTOR:
(PE48AA1)

APPROVE SHEET
[Compliance with RoHS]

PRODUCT: DC BRUSHLESS FAN

USER P/N : _____



Parts No.: KF0510B1HR01JCHF6R

Printed model number on the stick: KF0510B1HR- R

(SIGNATURE)



JAMICON GROUP
JINMICON ELECTRONIC(SHENZHEN)CO.,LTD
TEL:0755-2812 9962
FAX;0755-2812 9995

APPROVED	CHECKED	DRAWN
		郝文姣 2018/06/21

JIAN 健策

0755—23706799

微信扫码
咨询工程师



1. MECHANICAL:

1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0. (P.B.T)
1-04	Impeller	Plastic material UL 94V-0. (P.B.T)
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of three faces from 30cm distance height onto 10 mm thickness of wooden board.

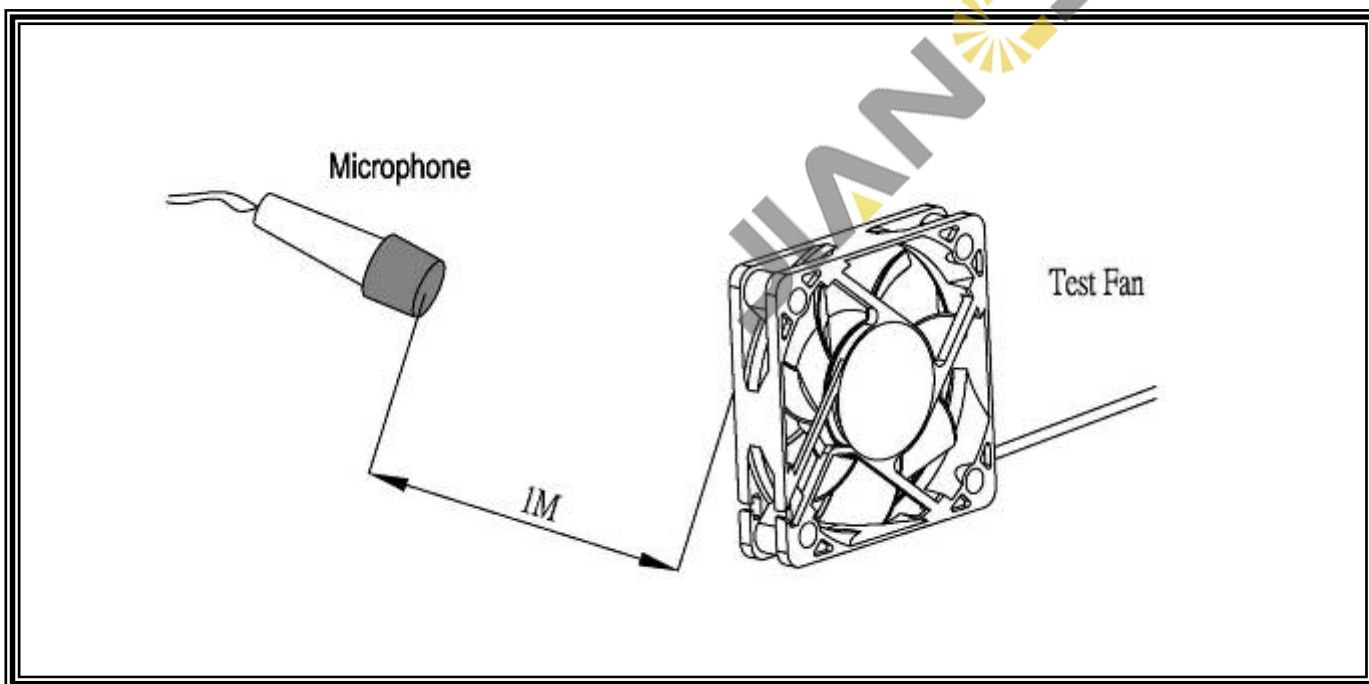
2.ELECTRICAL:

2-01	Rated current	Rated current shall be measured after 30 minutes continuous rotation at rated voltage.
2-02	Start voltage	The voltage that enable to start the fan by sudden switch on.
2-03	Rated Speed	Rated speed shall be measured after 30 minutes continuous rotation at rated voltage.
2-04	Input Power	Input power shall be measured after 30 minutes continuous rotation at rated voltage.
2-05	Lock Current	Locked current shall be measured Within one minute at rotor locked, after 30 minutes continuous rotation at rated voltage in clear air.
2-06	Insulation resistance	More than 10M ohm at 500 V.D.C between lead and housing.
2-07	Dielectric strength	Measured 5 mA(max) trip current at 700 V.A.C for 3 sec. between lead and housing.
2-08	Locked motor protection	Designed to meet UL, CUL and TUV.
2-09	DO NOT use power or ground PWM to control the fan speed.If the fan speed needs to be adjusted,please contact JAMICON to customize the product design for your application	



3.CHARACTERISTICS:

3-01	Air Flow & Static Pressure	The air flow data and static pressures should be determined in accordance with AMCA standard or DIN 24163 specification in a double- chamber testing with intake-side measurement.
3-02	Noise level	The measurement of noise level is carried out with reference to DIN 45635 in an echoic chamber with the microphone positioned 1 M from the air intake. Testing fan shall be hung in clean air.



4.ENVIRONMENTAL:

4-01	Operating temperature	-10℃ to 70℃ (ordinary humidity)
4-02	Storage Temperature	-40℃ to 70℃ (ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2℃ per MIL-STD-202F method 103B, Humidity test , The measured data of insulation resistance & dielectric strength should meet the specification listed in attach.
4-04	Thermal Shock	After thermal shock test per MIL-STD-202F method 107D, Condition D, The measured data of insulation resistance & dielectric strength should the specification



5.DATA-SHEET:

SAP NO. K0510B1HR01JCHF6

MODEL: KF0510B1HR01JCHF6R

5-1. SPECIFICATION:

NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	50*50*10	mm	-----
5-1-02	Bearing	Dual Ball	-----	-----
5-1-03	Rated Voltage	12	VDC	-----
5-1-04	Operating Voltage	7.0 ~ 13.8	VDC	MAX. 13.8V
5-1-05	Start Voltage	7.0	VDC	On/off test min.
5-1-06	Speed	5200	R.P.M	±10%, At rated Voltage
5-1-07	Input Current	0.11	Amp	At rated Voltage
5-1-08	Input Power	1.32	Watt	At rated Voltage
5-1-09	Nominal Power	1.6	Watt	At rated Voltage
5-1-10	Air Flow	13.04	CFM	At 0 static Pressure of rated speed
5-1-11	Static Pressure	0.138	inchH ₂ O	At 0 air flow of rated speed
5-1-12	Noise	29.0	dBA	At rated speed
5-1-13	Life Expectancy(L10)	75,000	Hours	At 40°C (Bearing)
5-1-14	Motor protection	Electronic protected		
5-1-15	Polarity protection	It will not damage the fan while reverse input.		
5-1-16	Auto Restart	YES	-----	-----
5-1-17	Speed Signal output	NO	-----	-----
5-1-18	Alarm Signal output	NO	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	17	Gram	Per each piece
5-1-21	Safety Certificate	UL, CUL, TUV, CE	-----	-----

5-2. LEAD WIRE:

NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	26AWG, UL1007			
5-2-02	Color	+	—		
		Red	Black		
5-2-03	Line Length	65±10 mm			
5-2-04	Connector	Notes as: Pitch:2.5 mm Housing:JST EHR-2 compatible parts.			
5-2-05	Tube	白色編織套管 Φ3.5*60±5mm			

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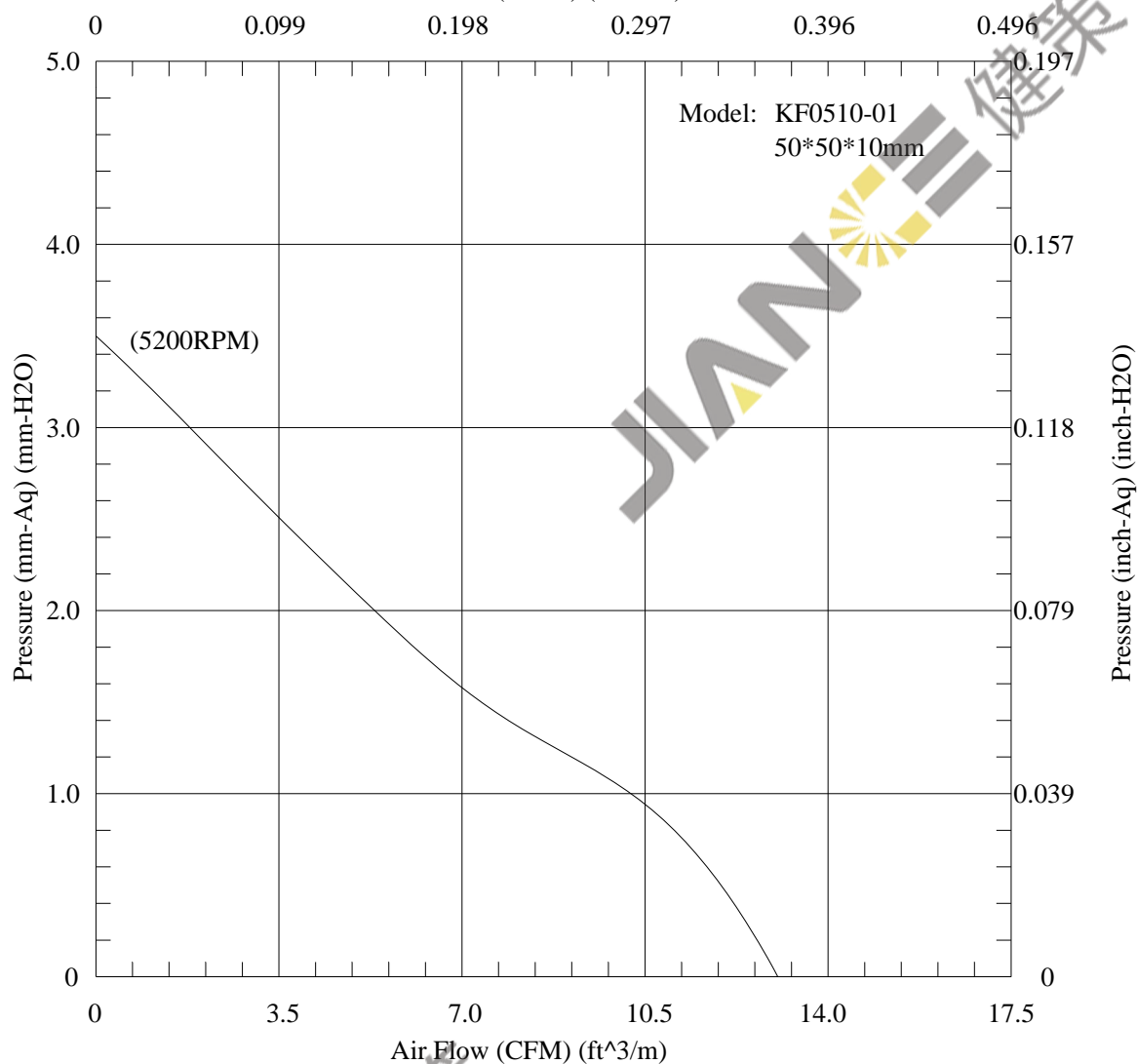
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JAMICON

FAN PERFORMANCE CURVES

Air Flow (CMM) (M³/m)



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風扇振動噪音性能測試報告

(The Test Report of Fan Vibration and Noise)

風扇型號(Sample Type): KF0510-01

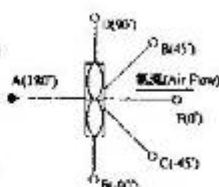
基本規格(Properties): DC 12V 7葉 4極 5200RPM

測試日期(Test Date): 2005/5/4 AM 10:36:41

測試編號(Test No.): (1)

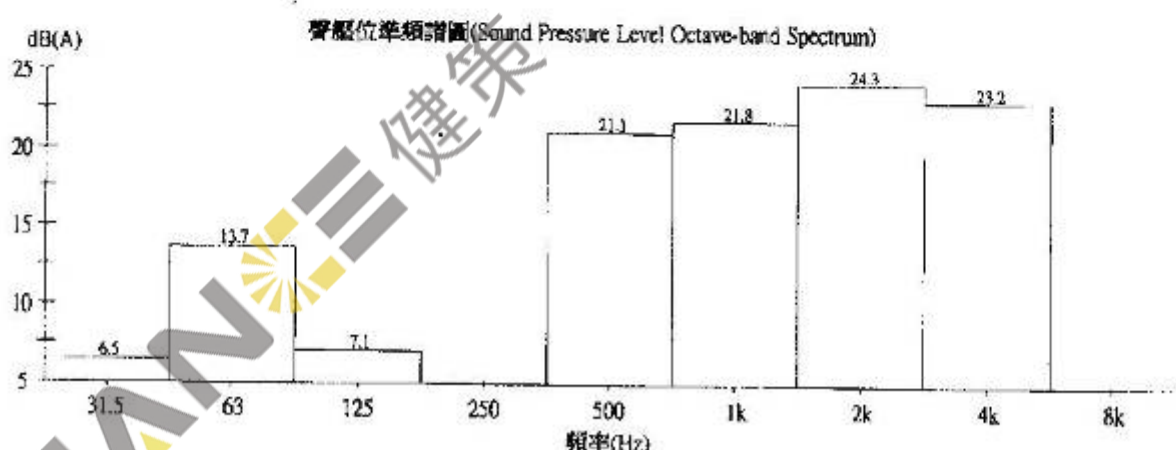
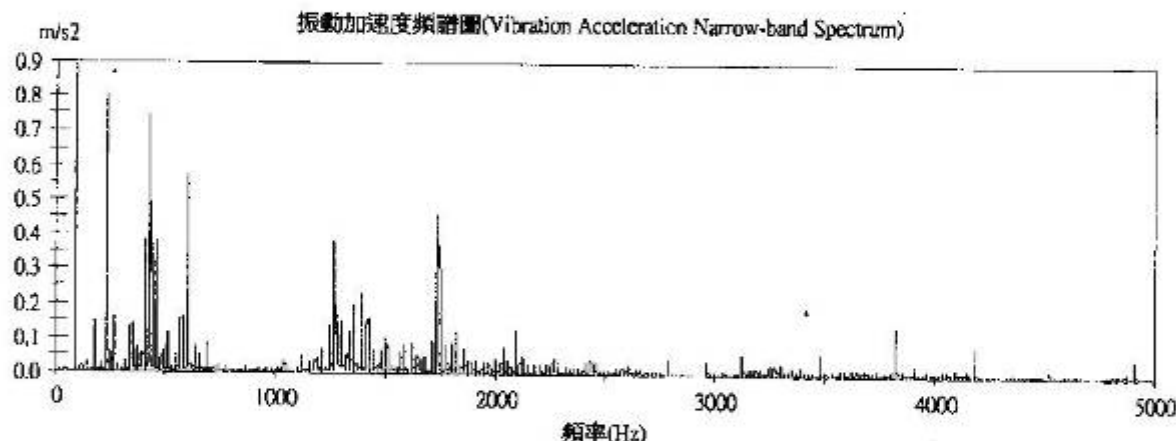
測試條件(Test Conditions)

輸入電壓(Input Voltage): 12 V
 量測時間(Measuring Time): 20 sec
 麥克風距離(Mic. Distance): 100 cm
 麥克風角度(Mic. Angle): 180°
 頻域加權(Freq. Weighting): A
 時域加權(Time Weighting): SLOW
 背景噪音(Background Noise): 15.0 dB(A)
 溫度(Temperature): ℃
 相對濕度(Relative Humidity): %



測試結果(Test Results)

電壓(Passing Voltage):
 電流(Electric Current):
 消耗功率(Power Dissipation):
 轉速(Rotation Speed): 5209 RPM
 振動量(Vibration Level) (依據 ISO 2372)
 振動速度(Vib. Velocity): 1.86 mm/sec RMS
 均能聲壓位準(Time-averaged SPL, Leq) (依據 CNS 8753)
 量測點(At Meas. Point): 29.2 dB(A)
 1 米處(At 1m Point): 29.0 dB(A)
 最大聲壓位準(MaxL): 29.9 dB(A)
 最小聲壓位準(MinL): 27.1 dB(A)



審核人員: _____

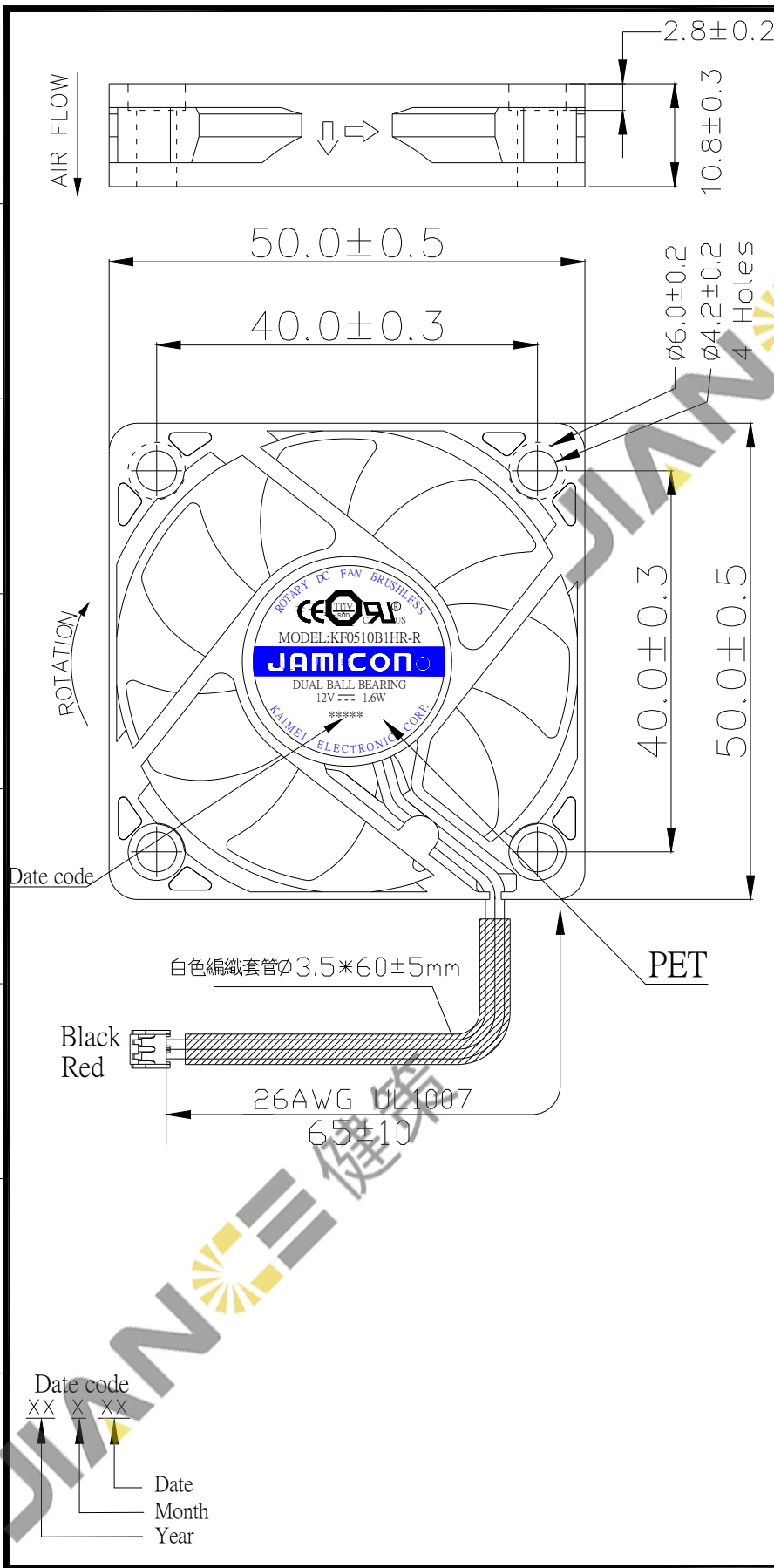
操作員: 簽章: **JIAN 健策**

系統開發(Developer): 工業技術研究院 機械工業研究所(MTRI/ITRI)

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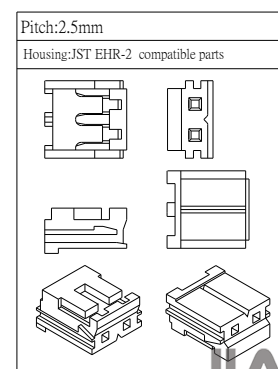
A B C D E F G H



UNIT	mm
PRODUCT	APPEARANCE OF FAN
SAP NO.	K0510B1HR01JCHF6
DWG. NO.	KF0510B1HR01JCHF6R
REV.	0
DESCRIPTION	REV. 0
DESIGN	DATE
DATE	2018/06/21
DESIGN	郝文姣
DATE	2018/06/21

凱美電機有限公司
KAMEI ELECTRONIC CORP.

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Auto-restart

Fan motor speed

