

CUSTOMER:  
DISTRIBUTOR:  
(PE48AA1)

NO: 2016122101

## APPROVE SHEET

[ Compliance with RoHS ]

PRODUCT: DC BRUSHLESS FAN

USER P/N: \_\_\_\_\_

Parts No.: JF0615B2HM00C-210R

Printed model number on the stick: JF0615B2HM-R

(SIGNATURE)

JAMICON GROUP  
KAIMEI ELECTRONIC CORP.  
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APPROVED	CHECKED	DRAWN
		郝文姣 2016/12/21

## 1. MECHANICAL:

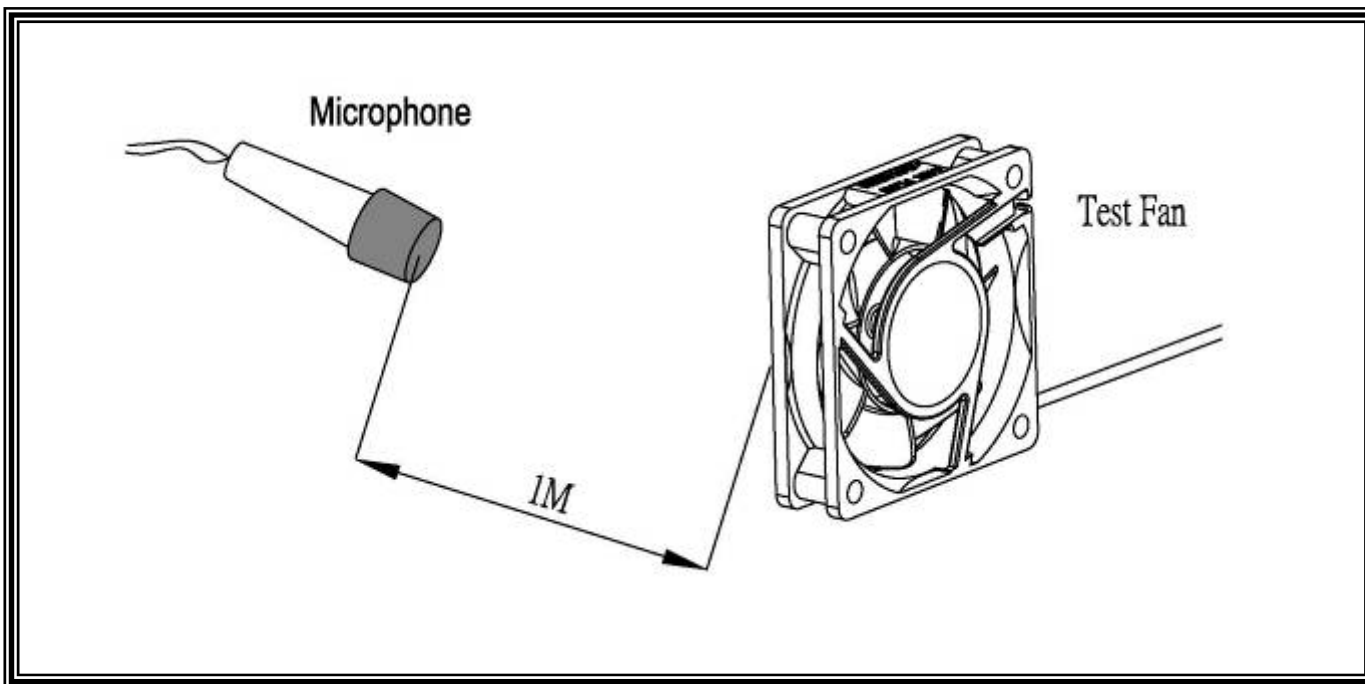
1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0
1-04	Impeller	Plastic material UL 94V-0
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of three faces from 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°C to 70°C (ordinary humidity)
4-02	Storage Temperature	-40°C to 70°C (ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2°C 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:

MODEL: JF0615B2HM00C-210R

### 5-1. SPECIFICATION:

NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	60*60*15	mm	-----
5-1-02	Bearing	Dual Ball	-----	-----
5-1-03	Rated Voltage	24	VDC	-----
5-1-04	Operating Voltage	12.0~27.6	VDC	MAX 27.6V
5-1-05	Start Voltage	12.0	VDC	On/off test max.
5-1-06	Speed	4500	R.P.M	±10%,At rated Voltage
5-1-07	Input Current	0.13	Amp	At rated Voltage
5-1-08	Input Power	3.12	Watt	At rated Voltage
5-1-09	Nominal Current	0.13	Amp	At rated Voltage
5-1-10	Air Flow	15.45	CFM	At 0 static Pressure of rated speed
5-1-11	Static Pressure	0.165	inchH <sub>2</sub> O	At 0 air flow of rated speed
5-1-12	Noise	30.5	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	YES(1)	-----	-----
5-1-18	Alarm Signal output	NO	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	45	Gram	Per each piece
5-1-21	Safety Certificate	UL, CUL, TUV, CE	-----	-----

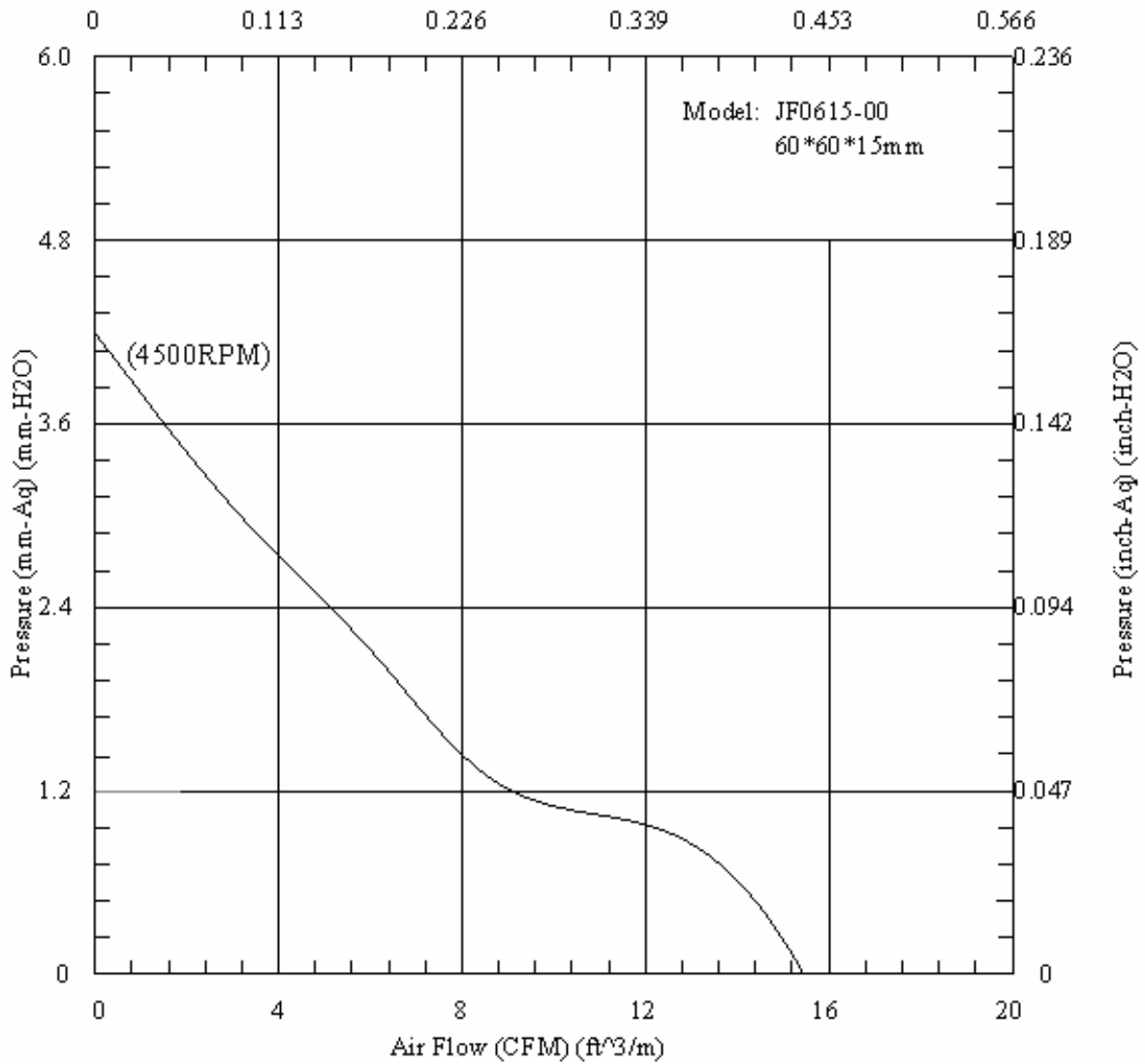
### 5-2. LEAD WIRE:

NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	26AWG, UL1007(The end of wire with tin as drawing)			
5-2-02	Color	+	—	Speed	
		Red	Black	White	
5-2-03	Line Length	270±10 mm			
5-2-04	Connector	Notes as: Not available.			
5-2-05	Tube	NO			

Note(1):Don't direct connect the speed /Alarm signal output to "+" or "-" .

# JAMICON FAN PERFORMANCE CURVES

Air Flow (CMM) (M<sup>3</sup>/m)



# 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): JF0615B2H

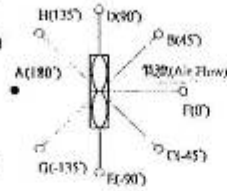
測試日期(Test Date): 2003/3/18 AM 10:53:18

基本規格(Properties): DC 24V 7葉 4極 4500RPM

測試編號(Test No.): (1)

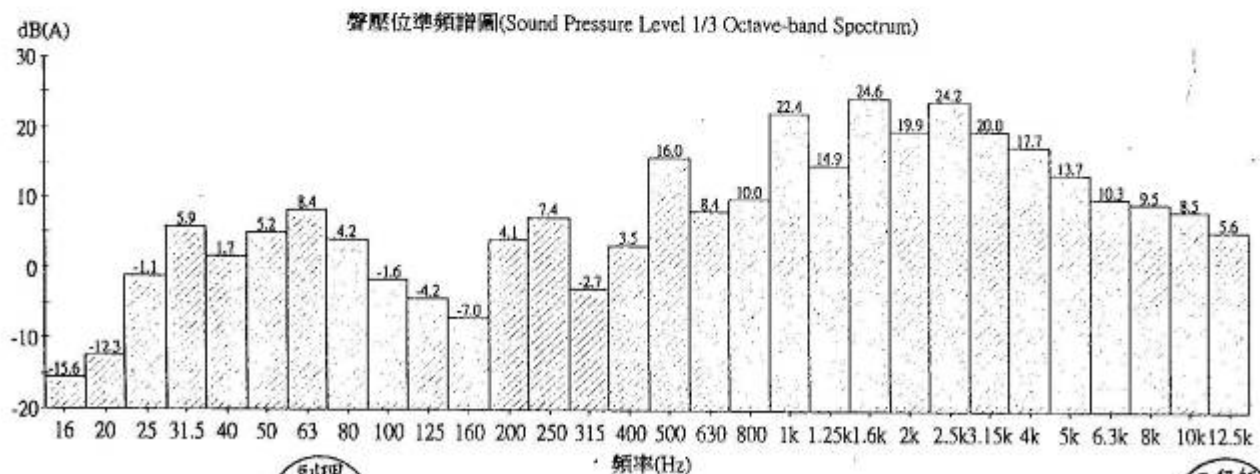
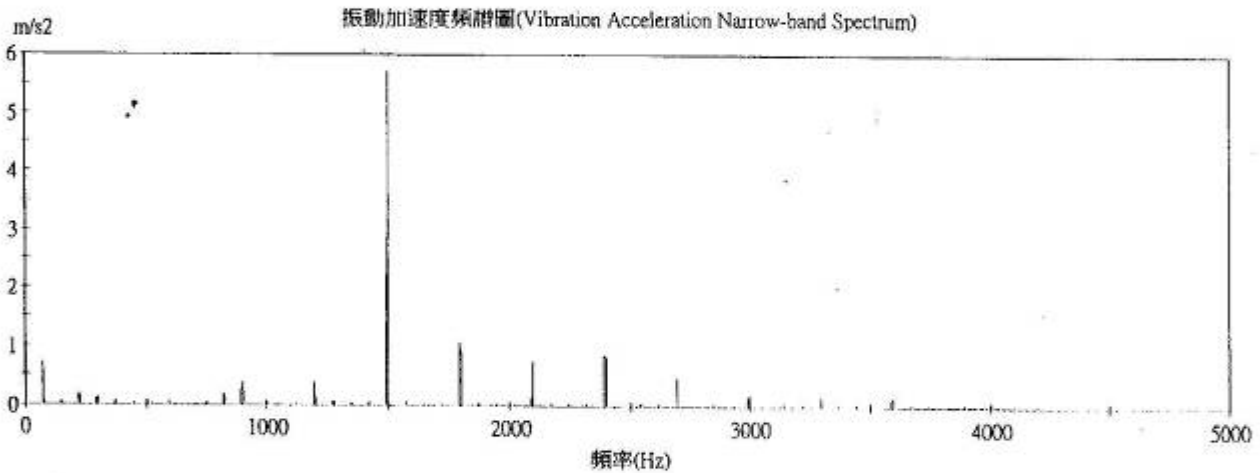
### 測試條件(Test Conditions)


輸入電壓(Input Voltage): 24 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): %



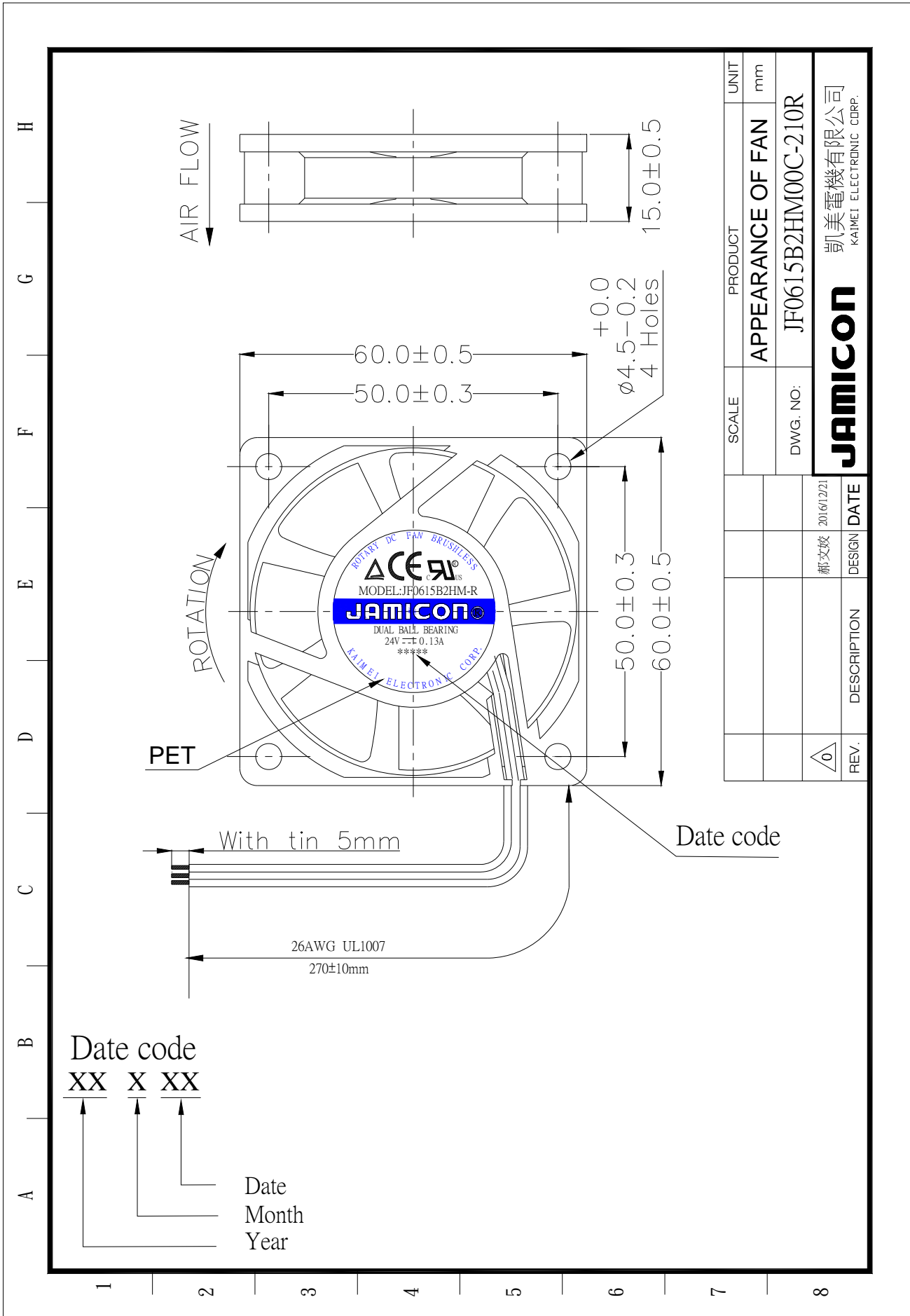
### 測試結果(Test Results)

電壓(Passing Voltage):  
 電流(Electric Current):  
 消耗功率(Power Dissipation):  
 轉速(Rotation Speed): 4501 RPM  
 振動量(Vibration Level) (依據 ISO 10816-1)  
 振動速度(Vib. Velocity): 1.66 mm/sec RMS  
 均能聲壓位準(Time-averaged SPL, Leq) (依據 CNS 8753)  
 量測點(At Meas. Point): 30.6 dB(A)  
 1 米處(At 1m Point): 30.5 dB(A)  
 最大聲壓位準(MaxL): 30.9 dB(A)  
 最小聲壓位準(MinL): 28.5 dB(A)



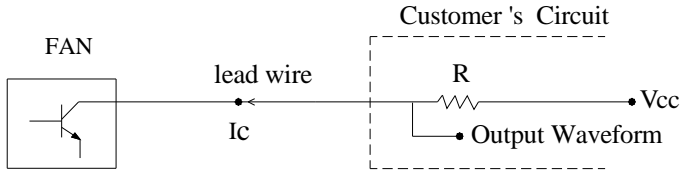
審核人員(Signatory): 

操作員(Operator): Sam-Liao 簽章(Signature): 



# Auto restart /Tachometer signal (Type B)

Diagram:



Where  
 Rated Voltage:5V  
 Vcc:7V max

Where  
 Rated Voltage:12V  
 Vcc:16V max

Where  
 Rated Voltage:24V  
 Vcc:28V max

Where  
 Rated Voltage:48V  
 Vcc:60V max

Please select R so that  $I_c < 10 \text{ mA}$

Type of signal

