

RISUN 鴻進科技股份有限公司

RISUN EXPANSE CORP.

規 格 書

SPECIFICATION SHEET

客戶名稱

Customer : _____

產品名稱

Product Name : Slim Blower

型號 / 規格

Model NO. / Spec. : RFB3004H

日期

Date : _____

特徵

Features : 4 wire length 45mm 【with FG &PWM signal】

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鴻進科技股份有限公司

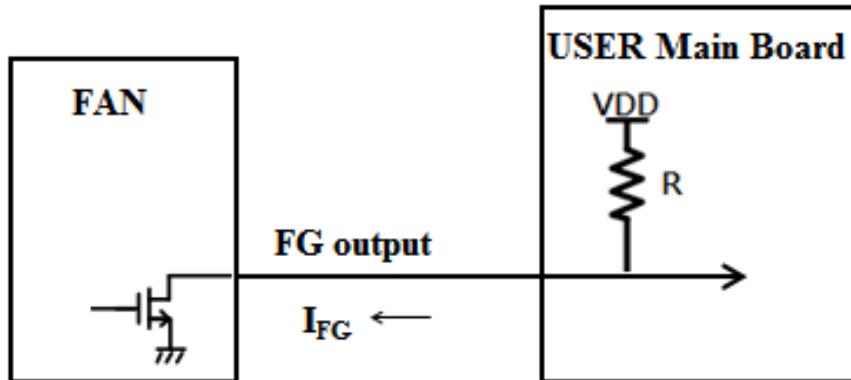
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FG 訊號規格(FG Signal Specification)

(a) FG 電路示意圖(FG circuit)

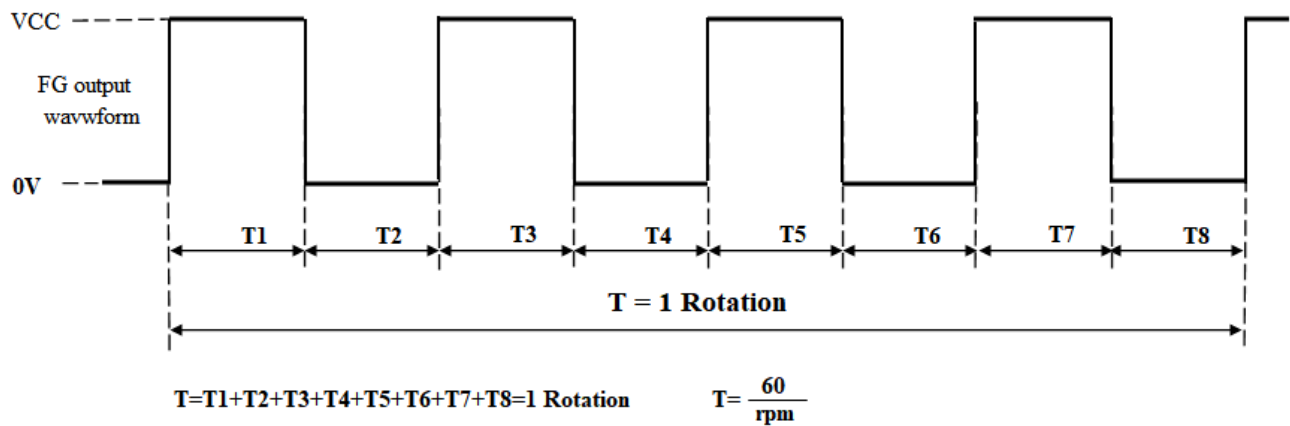


FG output is an open drain, application using FG output signal requires a pull-up resistor.

$V_{FG}(VDD) \leq 6$, I_{FG} 5mA max

(R: pull-up resistor with a typical value of $10K\Omega$ for the VDD ranging from 2.5V to 5V)

(b) FG 訊號輸出波形 (FG signal output waveform)



PWM 輸入訊號 (PWM input signal)

PWM(pulse-width modulation) is used for the speed control.

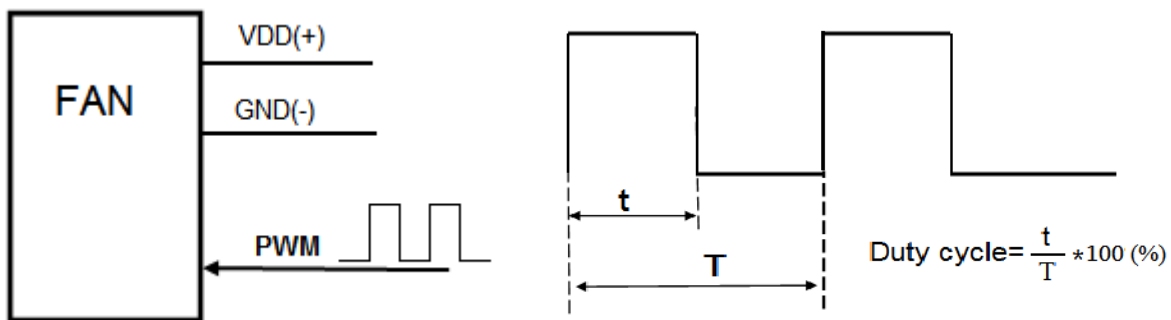
(a) PWM input voltage range:

High level: 0.5VDD~VDD

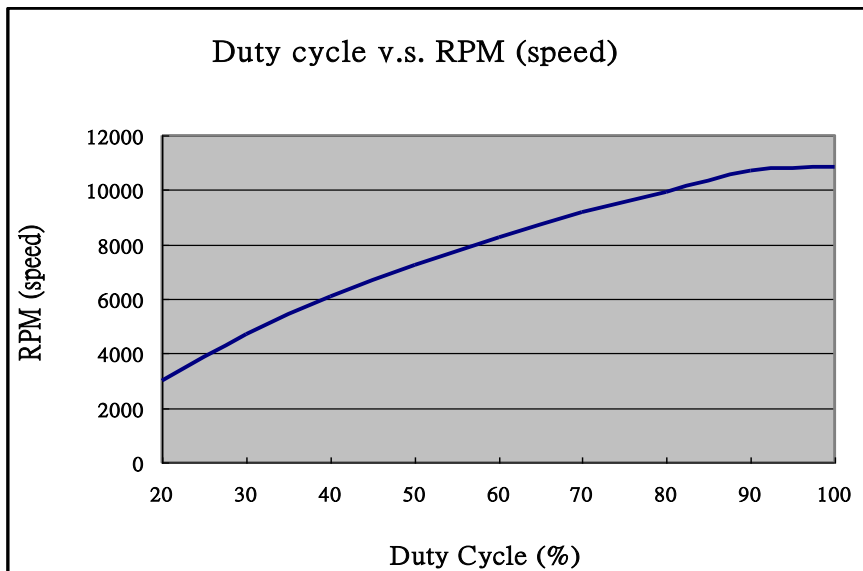
Low level : 0~0.4V

(b) The PWM pulse frequency recommended range between 20K Hz to 30K Hz.

(c) The Duty Cycle range between 20% to 100%.



(d) PWM Duty Cycle VS RPM (at VDD=5V, Fpwm=25 KHz)



PWM Duty Cycle (%)	FAN RPM
20	3,200±20%
50	7,245±20%

● Minimal start up duty cycle is 20%.

二、產品規格/特性 (Specification and Features)

規格 SPECIFICATIONS

型號 Model Number	RFB3004H
品名 Product Name	薄側流扇 Slim Blower
額定電壓 Rated Voltage (VDC)	5.0
運轉電壓 Operating Voltage (VDC)	2.8 ~ 5.5
額定電流 Rated Current (mA)	84 (max:100)
轉速 Rotation Speed (RPM)	11,000 ± 20%
風量 Air Flow (CFM)	1.04
靜壓 Static Pressure (mmAq)	14.45
噪音 Noise (dB(A)) at 1m	32.7
絕緣強度 Insulation Resistance	10MEGA. Ω Min. at 500VDC (between frame and (+) terminal)
耐壓強度 Dielectric Strength	5mA Max. at 500VAC、60Hz、One Minute (between frame and (+) terminal)
壽命 Life Expectancy (hours)	20,000 at 45°C
認證 Compliance	CE、RoHS
耐水耐塵 IP Rating	IP58
重量 Weight (g)	5
保護 Protection	<input checked="" type="checkbox"/> 鎖住保護 Lock rotor <input checked="" type="checkbox"/> 自動重啟 Auto Restart

*規格視實際情況更動不作另行通知。Specifications subject to changes without notice.

**在 5V 規格下使用時，建議在電源輸入端 VCC 和 GND 之間增加一個旁路電容。When using at 5V, it is recommended to add a bypass capacitor between the power supply input VCC and GND。

***運作環境溫度 Operating Temperature：-10°C ~ +60°C

****儲存溫度 Storage Temperature：-20°C ~ +70°C

風量—靜壓圖 PERFORMANCE CURVE

