



# Product Specification

<b>Customer Name</b>	akasa
<b>Product</b>	DC Cooling Fan
<b>Designed for</b>	
<b>Part No.</b>	
<b>Issue Date</b>	2015-12-17
<b>Spec No.</b>	DFS402012H S301
<b>Version</b>	V1.3

<b>Customer Approved By</b>	<b>Design</b>	<b>Inspect</b>	<b>Check</b>
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# 產品規格 / 承認書

## PRODUCT SPECIFICATION / APPROVAL SHEET

### A. 一般規格 (General Specification)

項目 (Item)		規格 / 條件 (Specification / Condition)	
01	型號 (Part No.)	<b>DFS402012H S301</b>	
02	外型尺寸 (Outline Dimension)	<b>40x40x20mm</b>	
03	額定電壓 (Rated Voltage)	<b>DC 12V</b>	
04	操作電壓 (Operating Voltage)	<b>DC 7.0V ~ DC 12.0V</b>	
05	起動電壓 (Starting Voltage)	<b>DC 7.0V</b>	
06	額定電流 (Rated Current)	<b>0.13 A</b>	<b>+/- 10%</b>
07	消耗功率 (Power Consumption)	<b>1.56 W</b>	
08	轉速 (Rotational Speed)	<b>7000 rpm±10%</b>	
09	最大風量 (Max. Airflow)	<b>10.25 CFM</b>	
10	最大靜壓(Max. Static Pressure)	<b>3.86 mm-H2O</b>	
11	音量位準 (Noise Level)	<b>37.57 dB(A)</b>	
12	壽命預估 (Life Expectancy)	<b>30000 hrs / 40°C</b>	
13	極數 (No. of Pole)	<b>4 極(Poles)</b>	
14	迴轉方向 (Rotational Direction)	<b>順時針(Clockwise)</b>	

### B. 電氣規格 (Electrical Specification)

項目 (Item)		規格 / 條件 (Specification / Condition)	
01	絕緣阻抗 (Insulation Resistance)	<b>10 MEG OHM MIN.AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)</b>	
02	絕緣耐壓 (Dielectric Strength)	<b>5 mA MAX. AT 500 VAC 60 HZ ONE MINUTE, (BETWEEN FRAME AND LEADS)</b>	

### C. 主要材料/零件規格 (Main Materials / Parts Specification)

材料/零件 (Materials / Parts)		規格 (Specification)	
01	塑膠材料 / 扇葉、外框、絕緣套(Plastic Material/Blade, Housing, Bobbin)	<b>P.B.T Black, UL94-V0</b>	
02	軸承 (Bearing)	<b>SLEEVE BEARING</b>	
03	導線 (Lead Wire)-G. P.	<b>UL 1061 – AWG 28 Black:(-) Red:(+) Blue:(FG)</b>	
04	端子 (Connector)	<b>2510-3pin</b>	

#### D. 環境測試 (Environmental Specification)

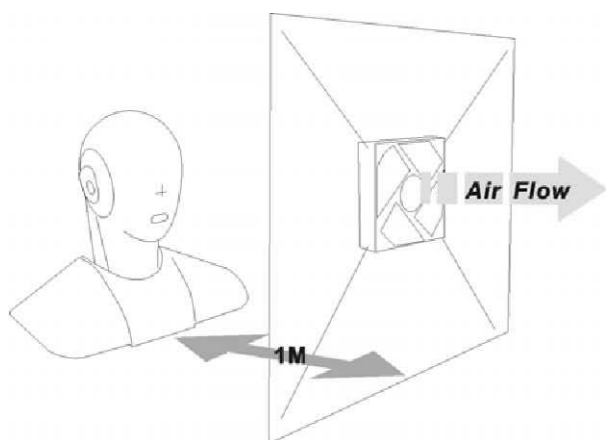
項目 (Item)	規格/條件 (Specification / Condition)
01 運轉溫/溼度範圍(Operating Temp. Range)	溫度 / Temperature : -10°C~ 70°C
	溼度 / Humidity : 35%-85%RH
02 保存溫/溼度範圍(Storage Temp. Range)	溫度 / Temperature : -10°C~ 70°C
	溼度 / Humidity : 35%-85%RH

#### E. 商標 (Label Marking)



( 1 )	型號 (Model No.)
( 2 )	額定電壓 (Rated Voltage)
( 3 )	電流 (Current)
( 4 )	安規 (Safety Approvals)
( 5 )	產地 (Location)
( 6 )	附碼 (Appendix Code)

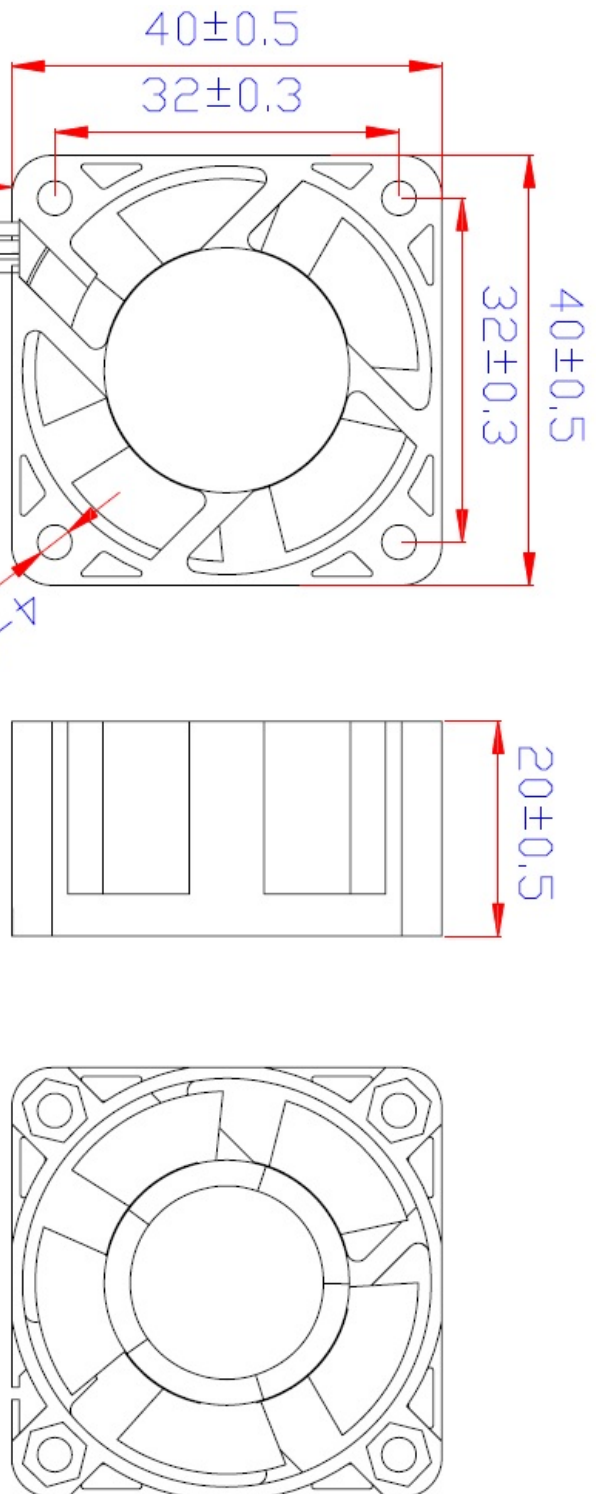
#### F. 噪音量測條件 (Noise Measure Condition)



量測系統 ( Measurement Systems ) :
1.ANECHOIC Room Noise Measurement System.
2.Digital Head Measurement System, 16-bits version.
3.SQlab III, Mobile Multichannel Analysis System.
4.Specifications:ISO 3744, ISO 3745, ISO 7779, CNS 6753, JIS 8346
5.Background Noise: < 17dB(A)

G. 外觀尺寸圖 (Outline Dimension)

DIRECTION OF ROTATION



NOTES:  
 UL1061 28#  
 PIN1: BLACK WIRE NEGATIVE(-)  
 PIN2: RED WIRE POSITIVE(+)  
 PIN3: BLUE WIRE POSITIVE(FG)  
 HOUSING: 2510-3PIN