

Product Data Sheets

Customer : _____

Part No. : _____

CoolerMaster Model No. : PC-08400-01-GP2

Edition: A1

Issued Date: 2022/04/21

Revision History :			
Date of Release	Revision No.	Description	
2022/04/21	A1	初版	
Customer		Cooler Master	
Approved by	Sales	Checked by	Drafted by
	Sylvia_Tai	Zhouhh	White_zhou
Date:	Date: 2022/04/21	Date: 2022/04/21	Date: 2022/04/21



Cooler Master Co., Ltd.

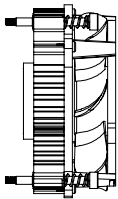
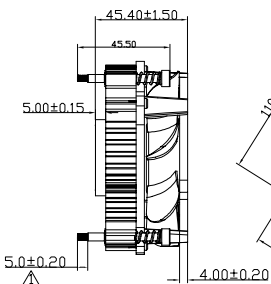
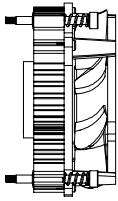
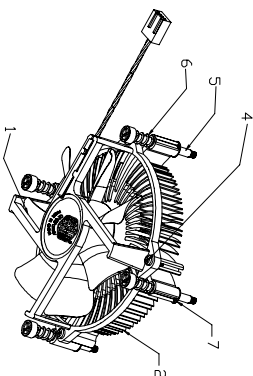
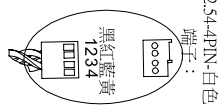
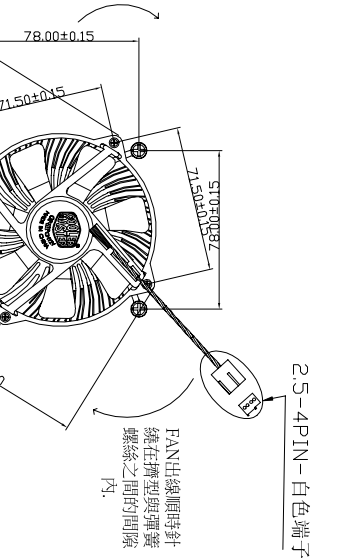
TEL: +886 (2) 32340050 FAX: +886 (2) 32340051

www.coolermaster.com

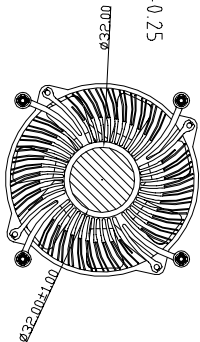
2.Whole Photo



REV	DESCRIPTION	Section	Engineer	Checked	Date
1	改變CPU SCREW 螺絲的螺牙長度為5.0H0.20mm	C-3 , C-4	陳有定	周慧華	09.09.2022



- NOTE :
1. 制程：組裝.CPU功率：65W.
 2. 扣合壓力42±8磅；鉤柱高出PCB1.45mm.
 3. 外觀按一般QA檢驗規範.
 4. 風扇：成品轉速：4500±15%RPM
 5. 標示 X 的為重點檢驗尺寸
 6. 料件需符合RoHS2.0 2015/863/EU 10項物質要求.
 - 7



3.GREASE, 7762, T=0.15-0.25

臺灣FAN參數

啟動電壓	6V	MAX電流	0.60A (MAX)
額定電壓	12V	100%DUTY轉速	4500±15%

Cooler Master Co., Ltd

正式圖面

DATE 2021.04.12

DATE	APPROVAL	Checked	Unit	Size	File Name
2021.04.12	周慧華		mm	A4	COOLER-01-A2



COOLER MASTER
CD, LTD.

PC-07680-01-GR2

4

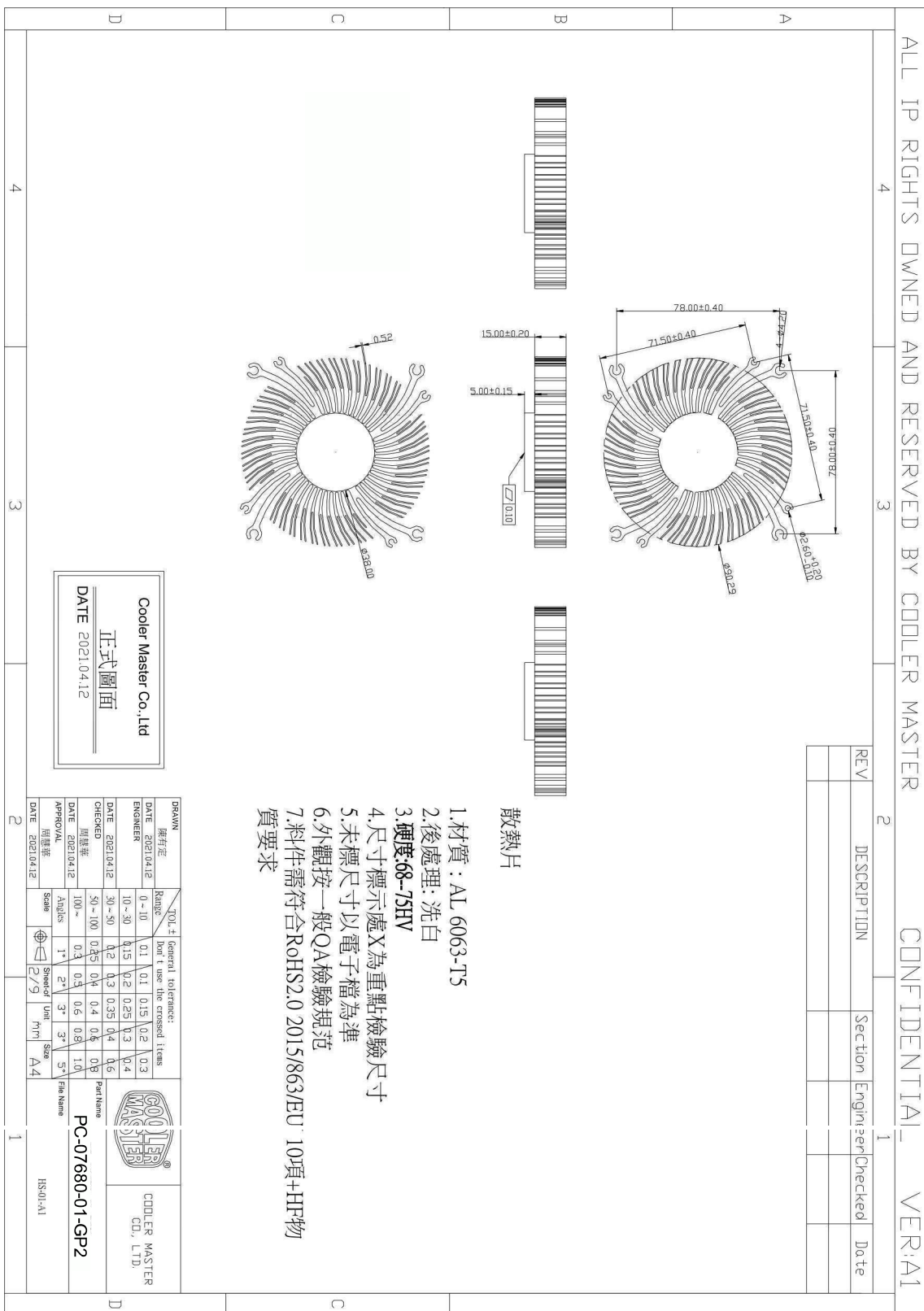
3

2

1

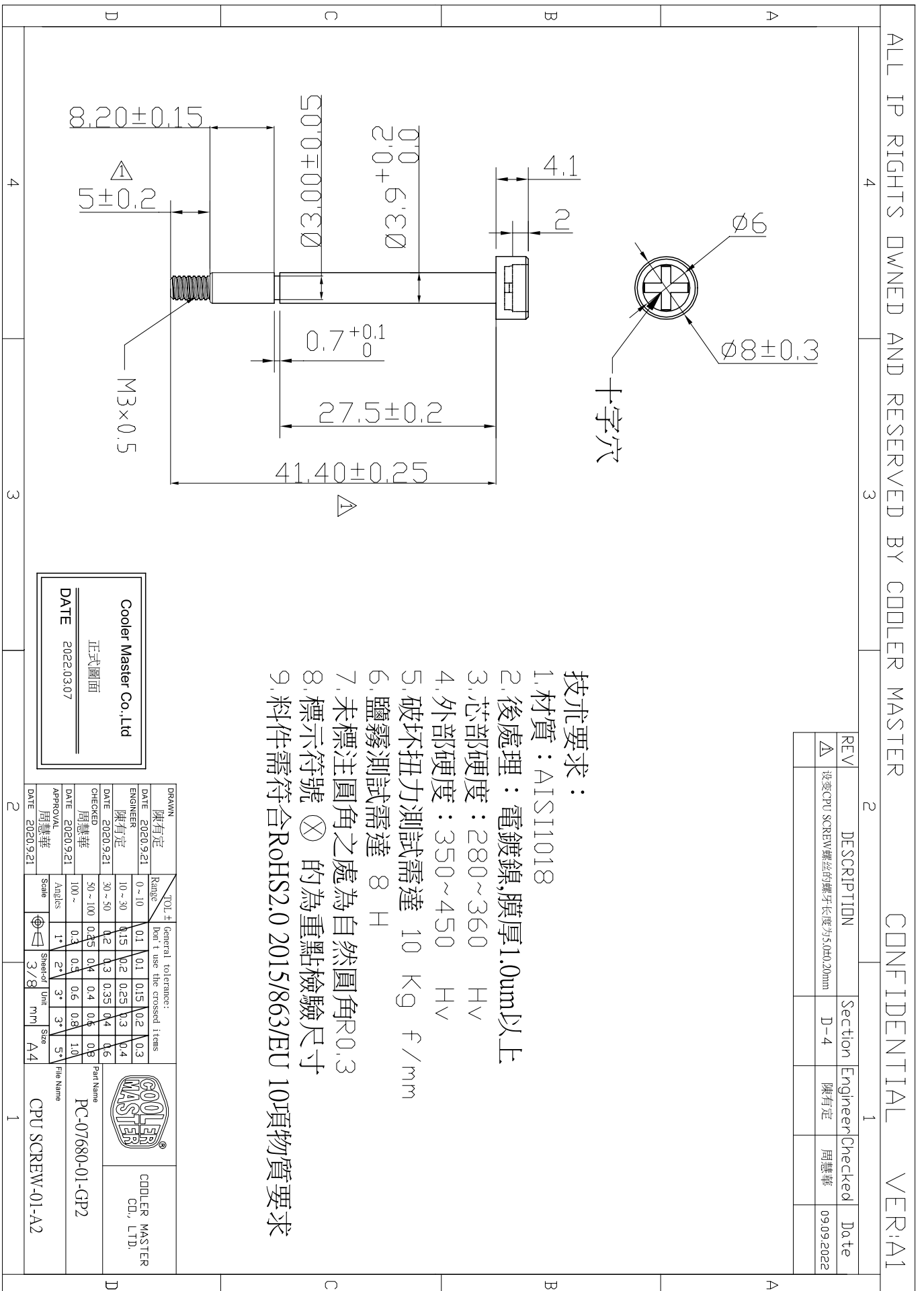


3.2 HS





3.3 CPU SCREW



ALL IP RIGHTS OWNED AND RESERVED BY COOLER MASTER

CONFIDENTIAL VER: A1

REV	DESCRIPTION	Section	Engineer	Checked	Date
Δ	改變CPU SCREW 螺絲的螺牙長度為5.0mm,20mm	D-4	陳有定	周慧華	09/09/2022

技術要求：

1. 材質：AISI11018
2. 後處理：電鍍鎳,膜厚1.0um以上
3. 芯部硬度：280~360 HV
4. 外部硬度：350~450 HV
5. 破壞扭力測試需達 10 Kg f/mm
6. 鹽霧測試需達 8 H
7. 未標注圓角之處為自然圓角R0.3
8. 標示符號 ⊗ 的為重點檢驗尺寸
9. 料件需符合RoHS2.0 2015/863/EU 10項物質要求

Cooler Master Co., Ltd
正式圖面
DATE 20220307

DRAWN		TOL ±		General tolerance:		Part Name	
DATE	ENGINEER	Range	Den 1	use the	crossed	Items	File Name
2020/9/21	陳有定	0~10	0.1	0.1	0.15	0.2	0.3
	陳有定	10~30	0.15	0.2	0.25	0.3	0.4
2020/9/21	周慧華	30~50	0.2	0.3	0.35	0.4	0.6
	周慧華	50~100	0.25	0.4	0.4	0.6	0.8
2020/9/21	周慧華	100~	0.3	0.4	0.6	0.8	1.0
	周慧華	Angles	1°	2°	3°	3°	5°
2020/9/21	周慧華	Scale	3/8	Unit	mm	Size	A4
						CPU SCREW-01-A2	

COOLER MASTER
CO., LTD.

PC-07680-01-GP2

CPU SCREW-01-A2

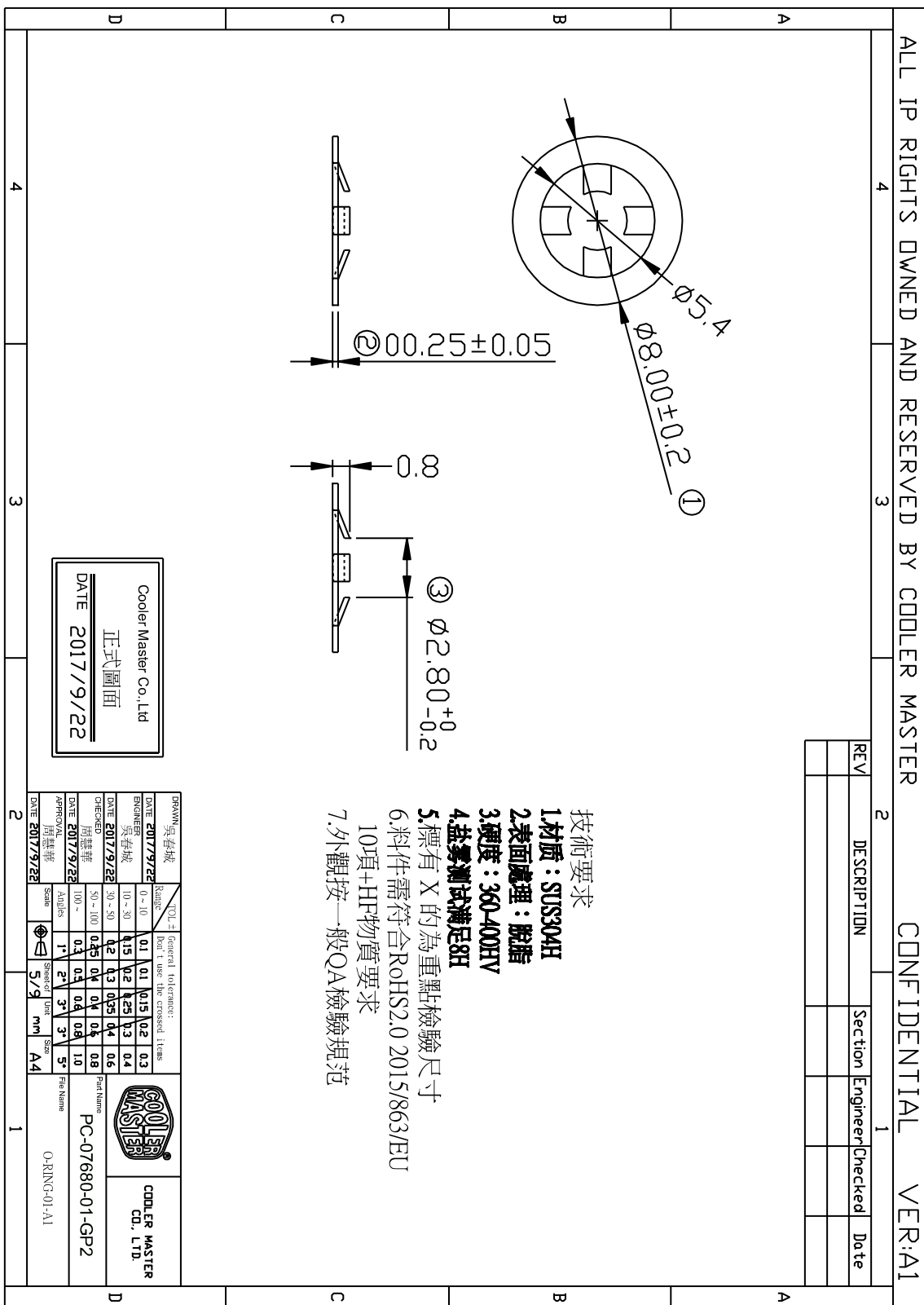


3.4 SPRING

4	3	2	1																										
ALL IP RIGHTS OWNED AND RESERVED BY COOLER MASTER		CONFIDENTIAL																											
		VER: A1																											
A	B	C	D																										
<p>NOTES :</p> <ol style="list-style-type: none"> 1. 材質: S.W.P-B 2. 線徑: 1.0mm, 3. 旋向: 左旋 4. 表處理: 鍍鎳, 膜厚 1.0µm 以上 5. 有效圈數: 4 ; 總圈數: 6 6. 兩端需磨平 7. 鹽霧測試需達 8H 以上 8. K 值 : 1.88±10%kgf/mm 9. 標示 X 的為重點檢驗尺寸 10. 理論單重 : 0.35g 11. 料件需符合 RoHS2.0 2015/863/EU 10項+HF物質要求 12. 外觀按一般QA檢驗規範 																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>Section</th> <th>Engineer</th> <th>Checked</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REV	DESCRIPTION	Section	Engineer	Checked	Date																				
REV	DESCRIPTION	Section	Engineer	Checked	Date																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> DRAWN 陳存定 DATE: 2020.9.21 ENGINEER 陳存定 DATE: 2020.9.21 CHECKED 周慧華 DATE: 2020.9.21 APPROVAL 周慧華 DATE: 2020.9.21 </td> <td style="width: 50%; text-align: center;"> General tolerance: 10µm 以下用 X 標註 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> <tr> <td>0.1</td> <td>0.1</td> <td>0.15</td> <td>0.2</td> <td>0.3</td> <td>0.4</td> <td>0.5</td> <td>0.6</td> <td>0.8</td> <td>1.0</td> <td>1.5</td> </tr> </table> </td> </tr> <tr> <td style="text-align: center;"> DATE: 2020.9.21 正式圖章 </td> <td style="text-align: center;"> DATE: 2020.9.21 正式圖章 </td> </tr> </table>				DRAWN 陳存定 DATE: 2020.9.21 ENGINEER 陳存定 DATE: 2020.9.21 CHECKED 周慧華 DATE: 2020.9.21 APPROVAL 周慧華 DATE: 2020.9.21	General tolerance: 10µm 以下用 X 標註 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> <tr> <td>0.1</td> <td>0.1</td> <td>0.15</td> <td>0.2</td> <td>0.3</td> <td>0.4</td> <td>0.5</td> <td>0.6</td> <td>0.8</td> <td>1.0</td> <td>1.5</td> </tr> </table>	NO.	1	2	3	4	5	6	7	8	9	10	0.1	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.5	DATE: 2020.9.21 正式圖章	DATE: 2020.9.21 正式圖章
DRAWN 陳存定 DATE: 2020.9.21 ENGINEER 陳存定 DATE: 2020.9.21 CHECKED 周慧華 DATE: 2020.9.21 APPROVAL 周慧華 DATE: 2020.9.21	General tolerance: 10µm 以下用 X 標註 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> </tr> <tr> <td>0.1</td> <td>0.1</td> <td>0.15</td> <td>0.2</td> <td>0.3</td> <td>0.4</td> <td>0.5</td> <td>0.6</td> <td>0.8</td> <td>1.0</td> <td>1.5</td> </tr> </table>	NO.	1	2	3	4	5	6	7	8	9	10	0.1	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.5						
NO.	1	2	3	4	5	6	7	8	9	10																			
0.1	0.1	0.15	0.2	0.3	0.4	0.5	0.6	0.8	1.0	1.5																			
DATE: 2020.9.21 正式圖章	DATE: 2020.9.21 正式圖章																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; text-align: center;"> COOLER MASTER CD, LTD. </td> <td style="width: 70%; text-align: center;"> Part Name PC-07680-01-GP2 File Name SPRING-01-A1 </td> </tr> </table>				COOLER MASTER CD, LTD.	Part Name PC-07680-01-GP2 File Name SPRING-01-A1																								
COOLER MASTER CD, LTD.	Part Name PC-07680-01-GP2 File Name SPRING-01-A1																												



3.5 O-RING



ALL IP RIGHTS OWNED AND RESERVED BY COOLER MASTER CONFIDENTIAL VER:A1

REV	DESCRIPTION	Section	Engineer	Checked	Date
2					
1					

- 技術要求
- 1.材質：SUS304H
 - 2.表面處理：脫脂
 - 3.硬度：360-400HV
 - 4.盐雾测试滿足8H
 - 5.標有 X 的為重點檢驗尺寸
 - 6.料件需符合RoHS2.0 2015/863/EU
 - 10項+HF物質要求
 - 7.外觀按一般QA檢驗規範

Cooler Master Co., Ltd
正式圖面
DATE 2017/9/22

DRAWN 吳春城		TOL 1 General Tolerance:		Cooler Master	
DATE	Range	0.1	0.15	0.2	0.3
2017/9/22	0 ~ 10	0.1	0.15	0.2	0.3
2017/9/22	10 ~ 30	0.15	0.25	0.3	0.4
2017/9/22	30 ~ 50	0.2	0.3	0.35	0.4
2017/9/22	50 ~ 100	0.25	0.4	0.4	0.5
2017/9/22	100 ~	0.3	0.4	0.4	0.5
APPROVAL 周憲華		1"	3"	3"	5"
Scale		5/9	mm	Size	A4
Part Name		Cooler Master		Cooler Master	
Part Name		PC-07680-01-GP2		COOLER MASTER	
Part Name		O-RING-01-A1		CO., LTD.	



3.6 FAN SCREW

ALL IP RIGHTS OWNED AND RESERVED BY COOLER MASTER		CONFIDENTIAL		VER:A1
4	3	2	1	
		REV	DESCRIPTION	Section
		Engineer	Checked	Date

技朮要求：

1. 材質：AISI1080;
2. 後處理：鍍黑鎳;膜厚1.0um以上
3. 鹽霧測試滿足8H
4. 表面硬度：350-450HV
5. 心部硬度：280-360HV
6. 標示符號 (X) 的為重點檢驗尺寸.
7. 標示符號 (X) 的為重點檢驗尺寸.
8. 料件需符合RoHS2.0 2015/863/EU
9. 10項+HP物質要求
10. 外觀按一般QA檢驗規範

Cooler Master Co., Ltd		正式圖面		DATE 2017/9/22	
------------------------	--	------	--	----------------	--

DRAWN	吳春敏	CHECKED	周益華	APPROVAL	周益華
DATE	2017/9/22	DATE	2017/9/22	DATE	2017/9/22
ENGINEER	吳春敏	CHECKED	周益華	APPROVAL	周益華
DATE	2017/9/22	DATE	2017/9/22	DATE	2017/9/22
General tolerance:		General tolerance:		General tolerance:	
0 ~ 10	0.1	0.1	0.15	0.2	0.3
10 ~ 30	0.15	0.2	0.25	0.3	0.4
30 ~ 50	0.2	0.3	0.35	0.4	0.6
50 ~ 100	0.25	0.4	0.4	0.4	0.8
100 ~	0.3	0.4	0.4	0.8	1.0
Angles	1°	2°	3°	3°	5°
Scale	1:1	Standard	mm	mm	A4
Sheet	6/9	Unit	mm	Size	A4

COOLER MASTER
CO., LTD.

Part Name: PC-07680-01-GP2

Part Name: SCREW-01-A1



3.7 GREASE

ALL IP RIGHTS OWNED AND RESERVED BY COOLER MASTER				CONFIDENTIAL	VER:A1
	4	3	2		
A					
B					
C					
D					

NOTES :

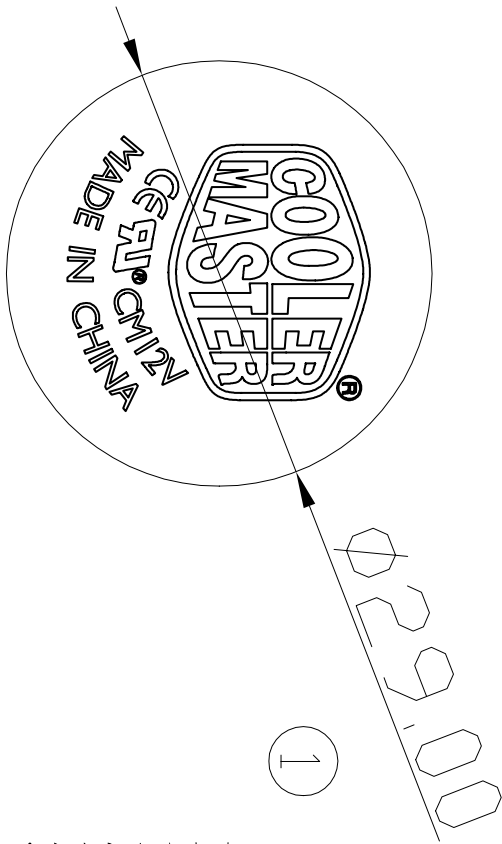
- 1.材質:7762
- 2.厚度 $t=0.15\sim 0.2\text{mm}$.
- 3.標示 X 的為重點檢驗尺寸
- 4.理論單重 : 0.25g
- 5.料件需符合 RoHS2.0 2015/863/EU
- 10項+HF物質要求
- 6.外觀按一般QA檢驗規範

Cooler Master Co., Ltd
正式圖面
DATE 2013.03.08

REV	DESCRIPTION	Section	Engineer	Checked	Date
2					

DRAWN 張有定	DATE 2013.03.08	TOL ±	general tolerance:	Part Name GREASE-01-A1
ENGINEER 張有定	DATE 2013.03.08	0-10	don't use the crossed items	Cooler Master CO., LTD.
CHECKED 周志華	DATE 2013.03.08	10-30	01 01 01 01 02 03	Part Name PC-07680-01-GP2
APPROVAL 周志華	DATE 2013.03.08	30-50	02 02 02 03 04	File Name
		50-100	04 04 04 04 04	
		100-~	04 04 04 04 04	
		Angles	1 2 3 3 3	
		Stroke	7 9	
		Unit	mm	
		Size	A4	

REV	DESCRIPTION	Section	Engineer	Checked	Date



- NOTE:
- 1.材質:25#消銀龍,表面需加護膜,耐高溫(-40~80).
 - 2.顏色:Pantone320C,表面加護膜.
 - 3.標示符號 1 ~ X 的為重點檢驗尺寸
 - 4.料件需符合RoHS2.0 2015/863/EU 10項物質要求.

Cooler Master Co., Ltd
正式圖面
DATE 2010.12.13

DRAWN 郭威		TOI: ±		General tolerance:		Part Name COOLER MASTER CD, LTD.
DATE 2010.12.13	Range	Don't use the crossed items	0 ~ 10	0.1	0.1	
ENGINEER 郭威	10 ~ 30	0.15	0.2	0.25	0.3	0.4
DATE 2010.12.13	30 ~ 50	0.2	0.3	0.35	0.4	0.6
CHECKED 周華華	50 ~ 100	0.25	0.4	0.4	0.6	0.8
DATE 2010.12.13	100 ~	0.3	0.5	0.6	0.8	1.0
APPROVAL 周華華	Angles	1°	2°	3°	3°	5°
DATE 2010.12.13	Scale	Sheet of 1/1	Unit mm	Size A4	File Name	PC-07680-01-GP2
					Label-01-A1	








7.性能測試報告

PN	TC1	TC2	DT1	W	RPM	RTH1
SAMPLE-1#	48.1	27.6	20.5	65.1	4428	0.315
SAMPLE-2#	48.3	27.7	20.6	65.1	4410	0.317
SAMPLE-3#	48.3	27.7	20.6	65.1	4434	0.317
SAMPLE-4#	48.3	27.7	20.6	65	4422	0.317
SAMPLE-5#	46.9	26.2	20.7	65.1	4317	0.318

8. 壓力測試報告

PC-07680-01-GP2 磅力測試

序号	CPU断差高度(mm)	磅力(lbf)	图示	斷差面
1	5.58	42.02		
2	5.58	41.62		
3	5.58	41.06		



Cooler Master Co., Ltd.

TEL: +886 (2) 32340050 FAX: +886 (2) 32340051

www.coolermaster.com

5. Fan SPEC

DELTA ELECTRONICS, INC.

252, SHANG YING ROAD, KUEI SAN
TAOYUAN HSIEN 333, TAIWAN, R. O. C.

TEL : 886-(0)3-3591968

FAX : 886-(0)3-3591991

SPECIFICATION FOR APPROVAL

Customer: COOLER MASTER

Description: DC FAN

Customer P/N: 200007180-GP REV:

Delta Model NO.: AFB0912VH-4E91 Delta Safety Model NO.:AFB0912VH

Sample Rev: 06 Issue NO:

Sample Issue Date: Quantity:

1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN. THE FAN MOTOR IS WITH SINGLE PHASE AND FOUR POLES.

2. CHARACTERS:

ITEM	DESCRIPTION
RATED VOLTAGE	12.0 VDC
OPERATION VOLTAGE	7.0 - 12.5 VDC
INPUT CURRENT	0.40 (MAX. 0.60) A (SAFETY CURRENT 0.60A)
INPUT POWER	4.80 (MAX. 7.20) W
SPEED	4500±10% R.P.M.
MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	1.634 (MIN. 1.471) M ³ /MIN. 57.70 (MIN. 51.93) CFM
MAX. AIR PRESSURE (AT ZERO AIRFLOW)	8.60 (MIN. 6.97) mmH ₂ O 0.338 (MIN. 0.274) inchH ₂ O
ACOUSTICAL NOISE (AVG.)	47.5 (MAX. 51.5) dB-A
INSULATION TYPE	UL: CLASS A

(continued)

page: 1

A00



Cooler Master Co., Ltd.

TEL: +886 (2) 32340050 FAX: +886 (2) 32340051

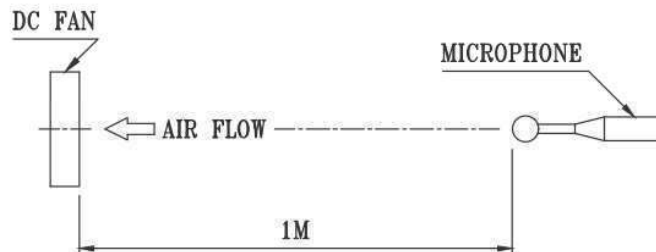
www.coolermaster.com

PART NO: 731000120-GP2

DELTA MODEL: AFB0912VH-4E91

INSULATION STRENGTH	10 MEG OHM MIN. AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)
DIELECTRIC STRENGTH	5 mA MAX. AT 500 VAC 50/60 Hz ONE MINUTE, (BETWEEN FRAME AND (+) TERMINAL)
EXTERNAL COVER	OPEN TYPE
LIFE EXPECTANCE (L10) AT LABEL VOLTAGE	70,000 HOURS CONTINUOUS OPERATION AT 40 °C WITH 15 ~ 65 %RH.
ROTATION	CLOCKWISE VIEW FROM NAME PLATE SIDE
OVER CURRENT SHUT DOWN	THE CURRENT WILL SHUT DOWN WHEN LOCKING ROTOR
LEAD WIRE	UL 1061 -F- AWG #26 BLACK WIRE:NEGATIVE(-) RED WIRE:POSITIVE(+) YELLOW WIRE:TACHOMETER OUTPUT (FOO) BLUE WIRE:SPEED CONTROL (PWM)

- NOTES: 1. ALL READINGS ARE MEASURED AFTER STABLY WARMING UP THROUGH 10 MINUTES.
2. STANDARD AIR PROPERTY IS AIR AT (Td) 25°C TEMPERATURE, (RH) 65% RELATIVE HUMIDITY, AND (Pb) 760 mmHg BAROMETRIC PRESSURE.
3. THE VALUES WRITTEN IN PARENS , (), ARE LIMITED SPEC.
4. ACOUSTICAL NOISE MEASURING CONDITION:



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.



Cooler Master Co., Ltd.

TEL: +886 (2) 32340050 FAX: +886 (2) 32340051

www.coolermaster.com

PART NO: 200007180-GP

DELTA MODEL: AFB0912VH-4E91

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 BEARINGS
- 3-5. WEIGHT ----- 90 GRAMS

4. ENVIRONMENTAL:

- 4-1. OPERATING TEMPERATURE ----- -10 TO +60 DEGREE C
- 4-2. STORAGE TEMPERATURE ----- -40 TO +70 DEGREE C
- 4-3. OPERATING HUMIDITY ----- 5 TO 90 % RH
- 4-4. STORAGE HUMIDITY ----- 5 TO 95 % RH

5. PROTECTION:

- 5-1. LOCKED ROTOR PROTECTION
IMPEDANCE OF MOTOR WINDING PROTECTS MOTOR FROM FIRE IN 96 HOURS OF LOCKED ROTOR CONDITION AT THE RATED VOLTAGE.
- 5-2. POLARITY PROTECTION
BE CAPABLE OF WITHSTANDING IF REVERSE CONNECTION FOR POSITIVE AND NEGATIVE LEADS.

6. RE OZONE DEPLETING SUBSTANCES:

- 6-1. NO CONTAINING PBBs, PBBOs, CFCs, PBBEs, PBDPEs AND HCFCs.

7. PRODUCTION LOCATION

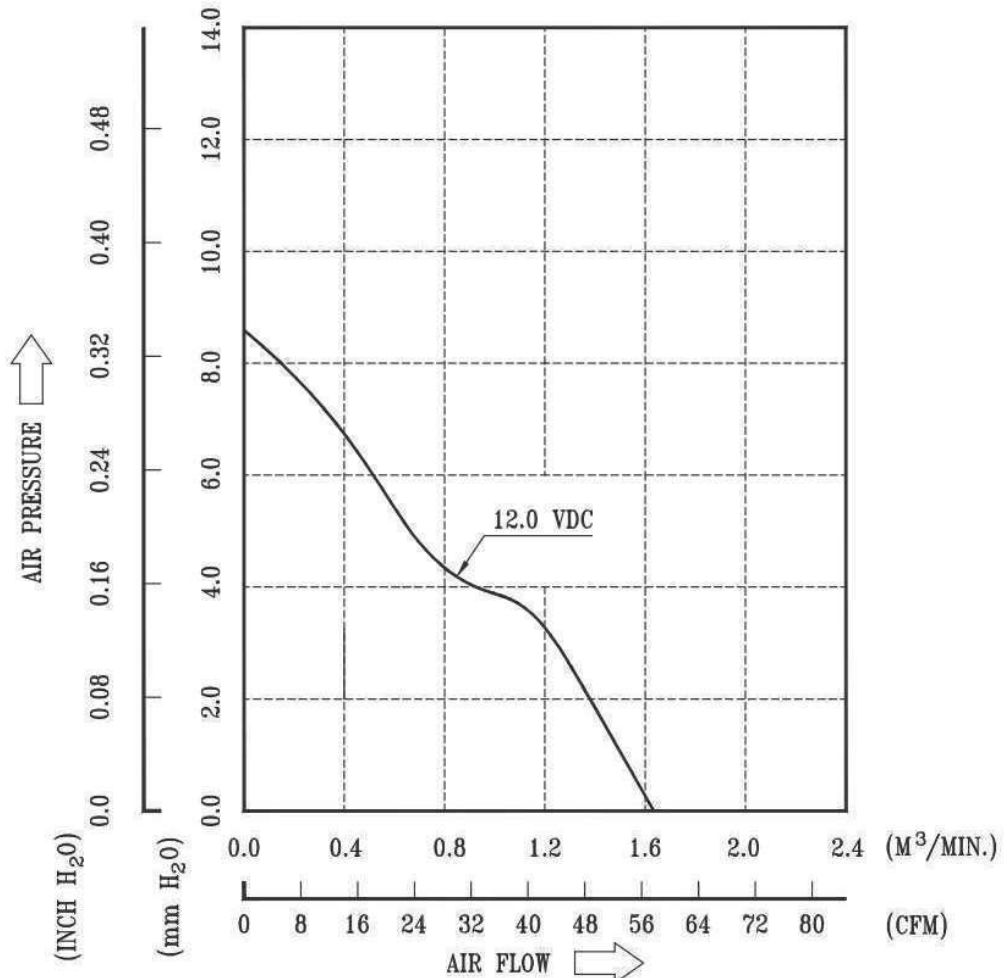
- 7-1. PRODUCTS WILL BE PRODUCED IN CHINA OR THAILAND.



PART NO: 200007180-GP

DELTA MODEL: AFB0912VH-4E91

8. P & Q CURVE:



* TEST CONDITION: INPUT VOLTAGE ----- OPERATION VOLTAGE
TEMPERATURE ----- ROOM TEMPERATURE
HUMIDITY ----- 65%RH



Cooler Master Co., Ltd.

TEL: +886 (2) 32340050 FAX: +886 (2) 32340051

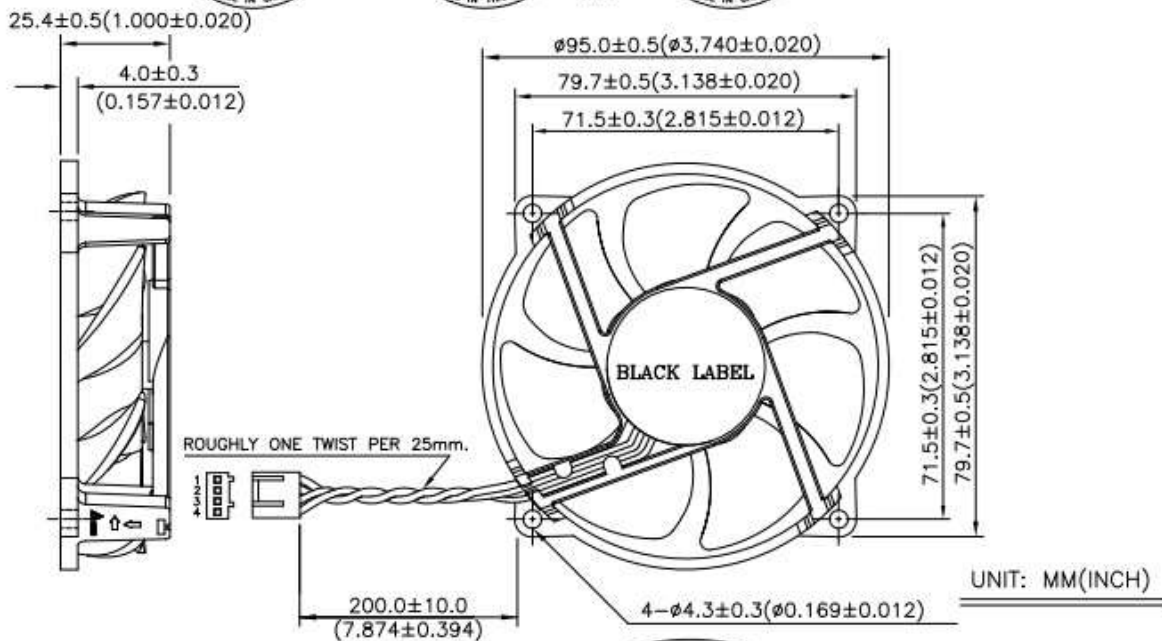
www.coolermaster.com

PART NO: 731000120-GP2

DELTA MODEL: AFB0912VH-4E91

9. DIMENSION DRAWING:

LABEL:



1. UL 1061 -F- AWG #26
 PIN 1 : BLACK WIRE: NEGATIVE(-)
 PIN 2 : RED WIRE: POSITIVE(+)
 PIN 3 : YELLOW WIRE: TACHOMETER OUTPUT (FOO)
 PIN 4 : BLUE WIRE: SPEED CONTROL (PWM)
2. HOUSING : CKM 25410108-04
3. TERMINAL : CKM 25410301
4. BALANCE MATERIAL : SUS FOIL
5. THIS PRODUCT IS RoHS COMPLIANT

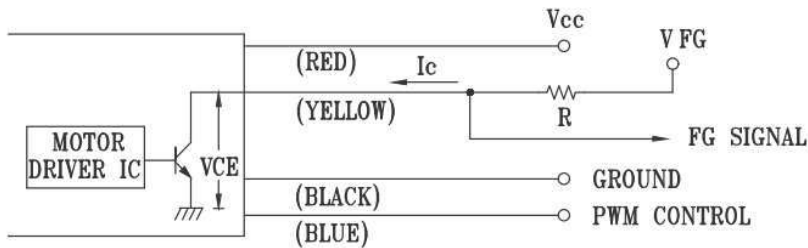
A00



PART NO:	731000120-GP2
DELTA MODEL:	AFB0912VH-4E91

10. FREQUENCY GENERATOR (FG) SIGNAL:

10-1. OUTPUT CIRCUIT - OPEN COLLECTOR MODE:



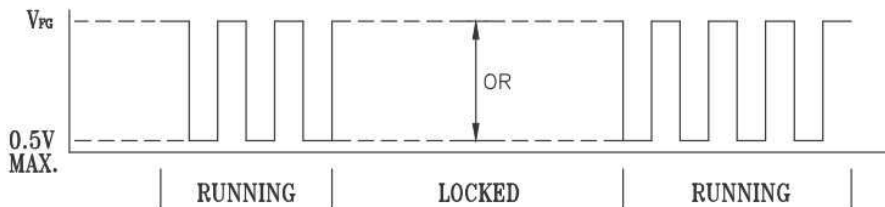
CAUTION: THE FG SIGNAL LEAD WIRE MUST BE KEPT AWAY FROM "+" LEAD WIRE & "-" LEAD WIRE.

10-2. SPECIFICATION:

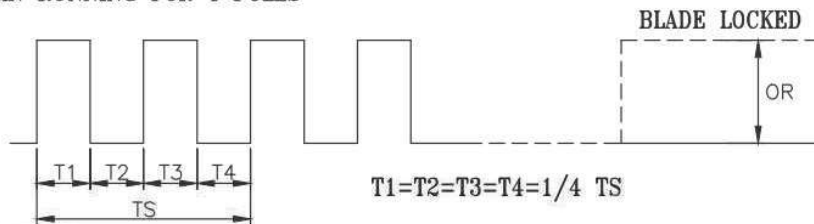
$V_{ce(sat)} = 0.5V \text{ MAX.}$ $V_{FG} = 5.0V \text{ TYP. (} V_{cc} \text{ MAX.)}$

$I_c = 5mA \text{ MAX.}$ $R \geq V_{FG} / I_c$

10-3. FREQUENCY GENERATOR WAVEFORM:



FAN RUNNING FOR 4 POLES



N=R.P.M

$TS = 60 / N(\text{SEC})$

*VOLTAGE LEVEL AFTER BLADE LOCKED

*4 POLES

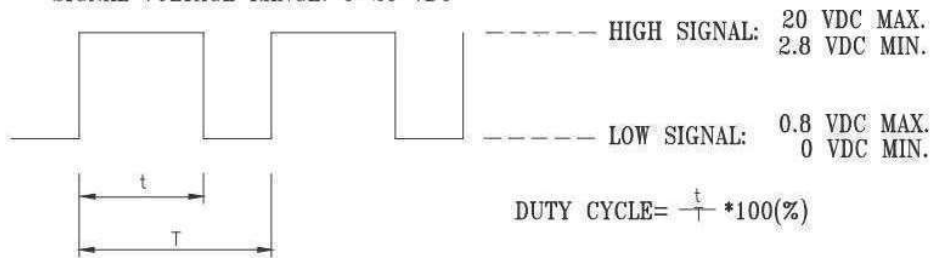


PART NO: 73100120-GP2

DELTA MODEL: AFB0912VH-4E91

11. PWM CONTROL SIGNAL:

SIGNAL VOLTAGE RANGE: 0~20 VDC



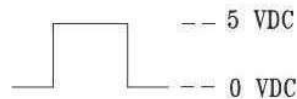
- THE PREFERRED OPERATING POINT FOR THE FAN IS 20K HZ.
- AT 100% DUTY CYCLE,THE ROTOR WILL SPIN AT MAXIMUM SPEED.
- AT 0% DUTY CYCLE,THE ROTOR WILL STOP SPIN.
- WITH CONTROL SIGNAL LEAD DISCONNECTED,THE FAN WILL SPIN AT MAXIMUM SPEED.

12. SPEED VS PWM CONTROL SIGNAL:

(AT 25°C, RATED VOLTAGE & PWM SIGNAL AS FOLLOW)

DUTY CYCLE (%)	SPEED R.P.M.	CURRENT (A) TYP.
100	4500±10%	0.40
75	3600±10%	0.22
50	2500±10%	0.10
25	1200±250	0.04
0	0	0.01

* PWM SIGNAL
PWM FREQUENCY = 20KHz



- MIN. START DUTY CYCLE : 30% (MAX.)
WHEN DUTY CYCLE IS SET FOR MORE THAN 30%, THE FAN WILL BE ABLE TO START FROM A DEAD STOP.

13. PWM CONTROL LEAD WIRE INPUT IMPEDANCE:

