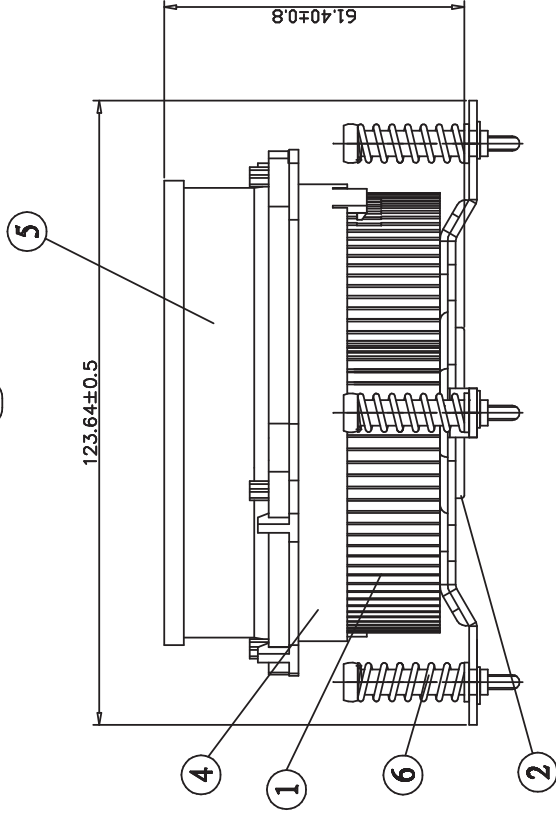
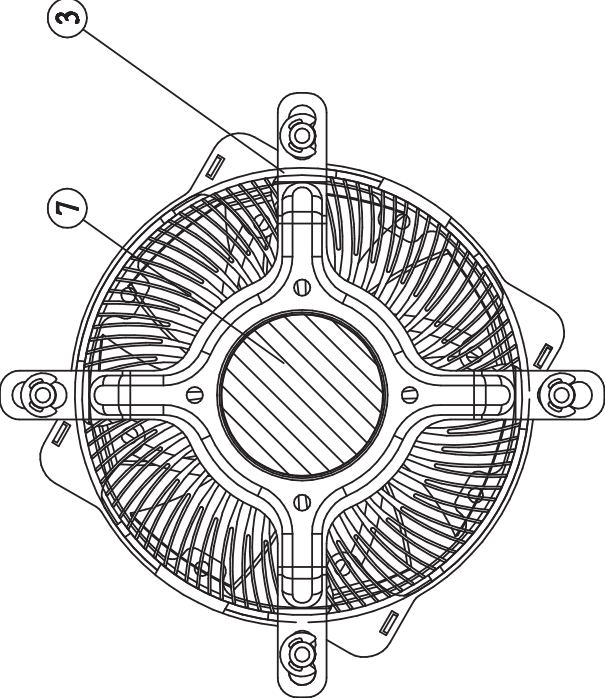


JYC9L06AGC-A



Applicati	for Intel LGA1156
Specification	
Weight	~536g
Dimension	123.64L×123.64W×61.4H (mm)
Heat sink	
Model	JYC0L06AGC-A
Material	CU1100+AL6063
Fin pitch	
Fin thickness	
Fan	
Rated Voltage	DC12V
Rated Current	0.38A
Rated Speed	4500RPM ±10%~1000 RPM ±400%

1	2	3	4	5	6	7
---	---	---	---	---	---	---



7.GREASE	SC102 (Ø33*0.25)	1
6.SPRING&SCREW	SAE1018-SWC (NIKEL)	4
5.Pin	JAF80025H1:RoHS-FAN/4500RPM	1
4.Pin Cover	Ø95*6H	1
3.Bracket	123.64*123.64*7.42mm	1
2.CU CORE	Ø33*33L	1
1.HEATSINK	Ø90*28*104PIN	1
P/N	DESCRIPTION	QTY

DRN	Fanny	10/20 2009	P/N: JYC9L06AGC-A-001
CHK			TITLE: COOLER For 1156 (75*75mm)
APP			SCALE: 1 : 1 UNIT: M/M

		MATERIAL:	FINISH:	REV:
REV	DESCRIPTION	DATE	CHINA CHROME INDUSTRY CO., LTD. TEL:+866 4 7322090 FAX:+866 4 7303155	
	REVISION HISTORY			

REV	DESCRIPTION	DATE
REVISION HISTORY		

TOLERANCE TABLE UNLESS OTHERWISE SPECIFIED		
RANGE	UNDER	TOL ±
6~10	6	0.18
10~18	10	0.22
18~30	18	0.27
30~50	30	0.33
50~80	50	0.39
80~120	80	0.46
120~250	120	0.54
250 OVER	250	0.63
ANG TOL ±	ANG	1°

1 2 3 4 5 6 7 8

GP

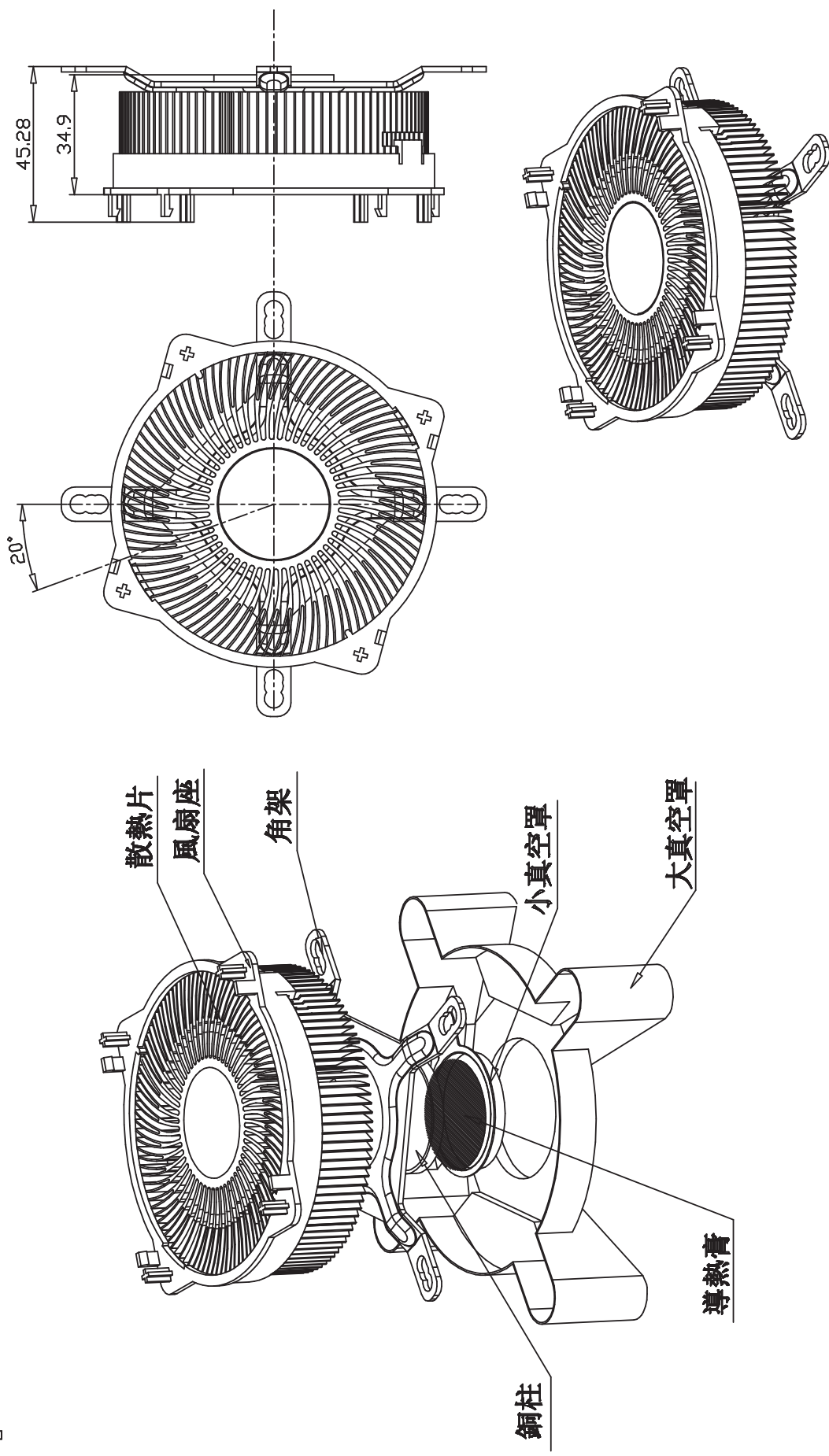


Table with 2 columns: RANGE, TOL ±

RANGE	TOL ±
UNDER 6	0.18
6~10	0.22
10~18	0.27
18~30	0.33
30~50	0.39
50~80	0.46
80~120	0.54
120~250	0.63
250 OVER	0.8
ANG TOL ±	1°

DRN	FANNY	09/23 2009	P/N:	JYC0L06AGC-A
CHK			TITLE:	COOLER
APP			SCALE:	UNIT: M/M
				組裝圖005-T4

REV	DESCRIPTION	DATE	REVISION HISTORY

MATERIAL:	FINISH:	REV:	CHINA CHINA
---	---	---	INDUSTRY CO., LTD.
			TEL: +886 4 7323090
			FAX: +886 4 7303155

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

SPECIFICATIONS

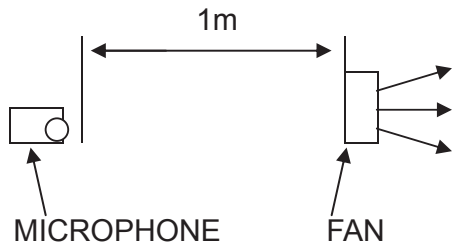
TYPE DC BRUSHLESS FAN	MODEL NO. F129025BU AF	PAGE: 1 OF 5
--	---	-------------------------------

THESE SPECIFICATIONS DEFINE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS FAN.

1. MECHANICAL SPECIFICATIONS

1-1 EXTERNAL DIMENSIONS	: REFER TO DWG. NO. HT-001
1-2 FRAME MATERIAL	: LEAD-FREE PBT(BLACK) PLASTIC {UL 94V-0}
IMPELLER MATERIAL	: LEAD-FREE PBT(BLACK) PLASTIC {UL 94V-0}
1-3 BEARING	: TWO BALL BEARING
1-4 NET WEIGHT	: 84g

2.ELECTRICAL SPECIFICATIONS

NO	ITEMS	STANDARD	REMARKS
2-1	RATED VOLTAGE	12 V DC	
2-2	OPERATING RANGE	11.4 V~12.6 V DC	
2-3	CONSUMING CURRENT	DUTY CYCLE =100% 0.38 Amp (MAX. 0.55 Amp) DUTY CYCLE = 0%~20% (MAX. 0.08Amp)	IN FREE AIR AT RATED VOLTAGE
2-4	CONSUMING POWER	DUTY CYCLE =100% 4.56W (MAX.6.60 W) DUTY CYCLE = 0%~20% (MAX.0.96 W)	IN FREE AIR AT RATED VOLTAGE
2-5	RATED SPEED	DUTY CYCLE =100% 4500±10%rpm DUTY CYCLE= 0%~20% 1000rpm±400rpm	IN FREE AIR AT RATED VOLTAGE
2-6	AIRFLOW	DUTY CYCLE =100% 76.92CFM 2.18m ³ /min DUTY CYCLE = 0%~20% 16.57CFM 0.47m ³ /min	AT RATED VOLTAGE AT ZERO STATIC PRESSURE
2-7	STATIC PRESSURE	DUTY CYCLE =100% 8.30 mmH ₂ O DUTY CYCLE =0%~20% 0.40 mmH ₂ O	AT RATED VOLTAGE AT ZERO AIRFLOW
2-8	SOUND LEVEL	DUTY CYCLE =100% 45dB(A) (MAX. 49dB(A)) DUTY CYCLE = 0%~20% 19 dB(A) (MAX.21 dB(A))	IN FREE AIR AT RATED VOLTAGE 

EVERFLOW PRECISION ELECTRON CO., LTD	APPROVAL	CHECKED	DRAWING
	LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09

SPECIFICATIONS

TYPE		MODEL NO.		PAGE:
DC BRUSHLESS FAN		F129025BU AF		2 OF5
2-10	OPERATING TEMPERATURE	-10℃~70℃ (NORMAL HUMIDITY)		
2-11	STORAGE TEMPERATURE	-20℃~75℃ (NORMAL HUMIDITY)		
2-12	DIRECTION OF ROTATION	CLOCKWISE FROM LABEL SIDE		
2-13	DIRECTION OF AIRFLOW	LABEL SIDE DISCHARGE		
2-14	INSULATION STRENGTH	10 MEG OHM MIN.	AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)	
2-15	DIELECTRIC STRENGTH	MUST WITHSTAND 500 VAC 1SEC.	MAX 1mA BETWEEN FRAME AND LEADS	
2-16	PROTECTION	CURRENT LIMIT		
2-17	DROP TEST	IN MINIMUM PACKAGING CONDITION,FAN WITHSTANDS EACH ONE DROP OF THREE FACES FROM 30cm DISTANCE HEIGHT ON TO 10mm THICKNESS OF WOODEN BOARD.		
2-18	MECHANICAL SHOCK	TEMPERATURE : +25℃. ORIENTATION : X , Y , Z . POWER : NON-OPERATING. ACCELERATION : 20G MIN. PULSE : 11 MS HALF-SINE WAVE. NUMBER OF SHOCKS : 5 SHOCKS FOR EACH DIRECTION.		
NOTE 1. THE ABOVE STANDARD SHOULD BE THE SPECIFIED VALUE AT NORMAL TEMPERATURE (25℃) AND NORMAL HUMIDITY (60~65%) UNLESS OTHERWISE NOTICED.				
EVERFLOW PRECISION ELECTRON CO., LTD		APPROVAL	CHECKED	DRAWING
		LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09

SPECIFICATIONS

TYPE DC BRUSHLESS FAN	MODEL NO. F129025BU AF	PAGE: 3 OF 5		
<p>3.LIFE EXPECTANCE (MTBF) MORE THAN 90% SHALL KEEP RUNNING AFTER CONTINUOUS OPERATION OF 50,000 HOURS AT RATED VOLTAGE IN 25℃ AMBIENT TEMPERATURE AND 65% RELATIVE HUMIDITY CONDITION. FAN LIFE SHOULD BE REDEFINED WHEN ABOVE CONDITIONS ARE CHANGED.</p> <p>4.LOCKED ROTOR NO DAMAGE SHALL BE FOUND FOR CONTINUOUS ONE HOUR AT LOCKED ROTOR.</p> <p>5.SPECIAL ITEMS</p> <p>5-1 SPECIFICATION CHANGE ANY CHANGES TO THE PARAMETERS SPECIFIED IN THIS DOCUMENT WILL BE DETERMINED BY MUTUAL AGREEMENT ON BOTH PARTIES.</p> <p>5-2 UNCERTAINTY IN THE EVENT THAT ANY QUESTIONS MAY ARISE ABOUT THIS DOCUMENT OR ANY STATEMENTS NOT SPECIFIED IN THIS DOCUMENT BOTH PARTIES WILL DISCUSS AND DETERMINE A SOLUTION FAITHFULLY.</p> <p>5-3 NOTE</p> <p>1.PLEASE CONSIDER HAVING AN INDEPENDENT PROTECTION SYSTEM IN THE EVENT THAT THE FAN SHOULD STOP OPERATING.</p> <p>2.PLEASE MAKE REFERENCE TO ATTACHED IMPORTANT NOTES & GENERAL INSTRUCTIONS AND DWG.No.:HT-001 TOGETHER WITH THIS SPECIFICATION.</p> <p>6. FAN SPEED RESPONSE TO PWM CONTROL INPUT SIGNAL. IF NO CONTROL SIGNAL IS PRESENT THE FAN SHALL OPERATE AT MAXIMUM RPM.</p>				
EVERFLOW PRECISION ELECTRON CO., LTD		APPROVAL	CHECKED	DRAWING
		LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09

SPECIFICATIONS

TYPE DC BRUSHLESS FAN	MODEL NO. F129025BU AF	PAGE: 4 OF 5
--------------------------	---------------------------	-----------------

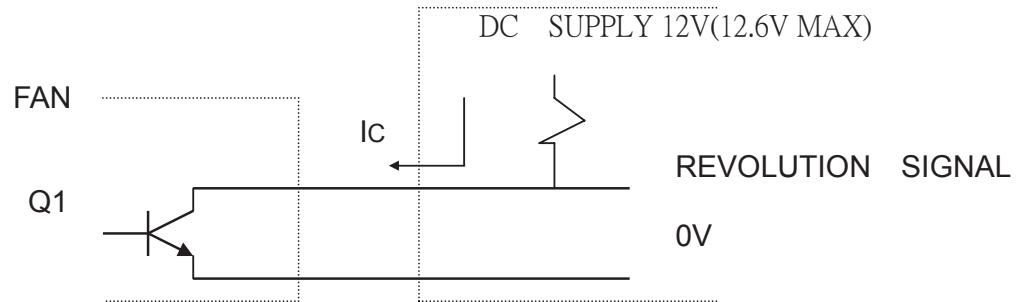
7. PROVISION OF REVOLUTION SIGNAL

7-1 OUTPUT OF REVOLUTION SIGNAL

.OUTPUT TYPE

.ELECTRICAL SPECIFICATION

OPEN COLLECTOR TYPE



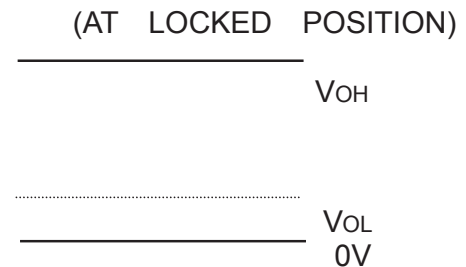
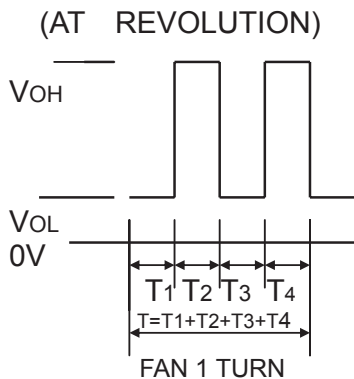
TRANSISTOR Q1 AT "ON" POSITION
COLLECTOR CURRENT
SATURATION VOLTAGE
BETWEEN COLLECTOR AND EMITTER
AT $I_c = 10\text{mA MAX.}$
TRANSISTOR Q1 AT "OFF" POSITION
RELEASE VOLTAGE

$I_c = 10\text{ mA MAX.}$
 $V_{OL} = 0.5\text{V MAX.}$

$V_{OH} = 12\text{V (12.6V MAX)}$

7-2 OUTPUT WAVEFORM

(ACCORDING TO INPUT VOT.)



REMARK: AT LOCKED POSITION, OUTPUT BECOMES V_{OH} OR V_{OL}

$T = T_1 + T_2 + T_3 + T_4 = 60/N \text{ (SEC)}$ N : FAN SPEED (r.p.m)

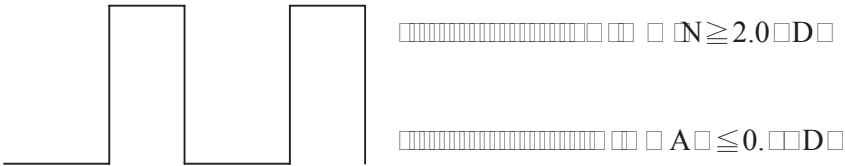
$$\text{DUTY} = \frac{T_1}{T_1 + T_2} = 50 \pm 10\%$$

EVERFLOW PRECISION ELECTRON CO., LTD	APPROVAL	CHECKED	DRAWING
	LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09

SPECIFICATIONS

TYPE	MODEL NO.	PAGE:
DC BRUSHLESS FAN	F129025BU AF	5 OF 5

PWM CONTROL INPUT SIGNAL:
MAXIMUM VOLTAGE FOR LOGIC LOW:MAX VIL ≤0. VDC
MINIMUM VOLTAGE FOR LOGIC HIGH:MIN VIH ≥2.0VDC



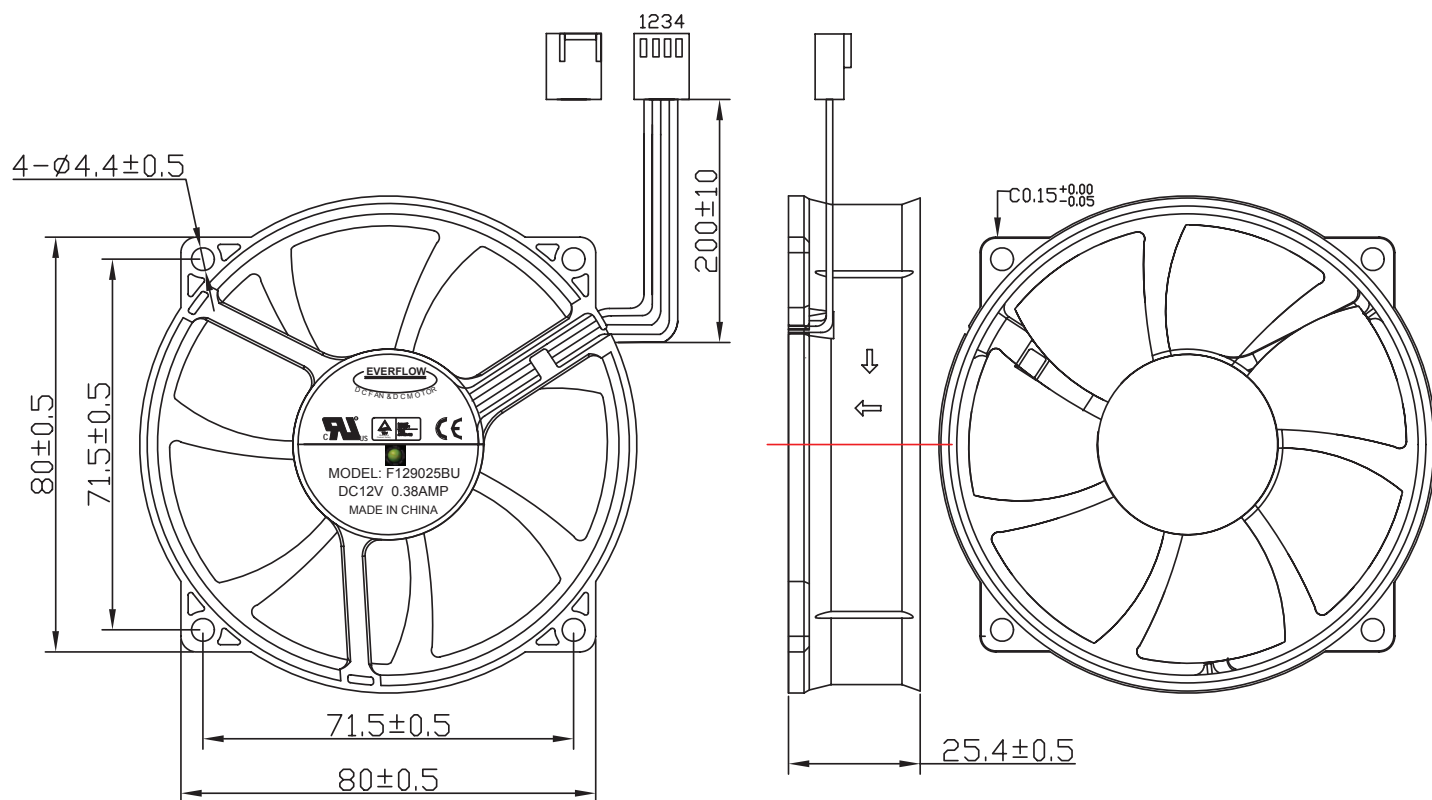
EVERFLOW PRECISION ELECTRON CO., LTD	APPROVAL	CHECKED	DRAWING
	LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09

SPE F AT NS

IMPORTANT NOTES & GENERAL INSTRUCTIONS

- [illegible]

EVERFLOW PRECISION ELECTRON CO., LTD	APPROVAL	CHECKED	DRAWING
	LIU CHUN XIANG 2009/06/09	ZHU QIAO 2009/06/09	LIU PING 2009/06/09



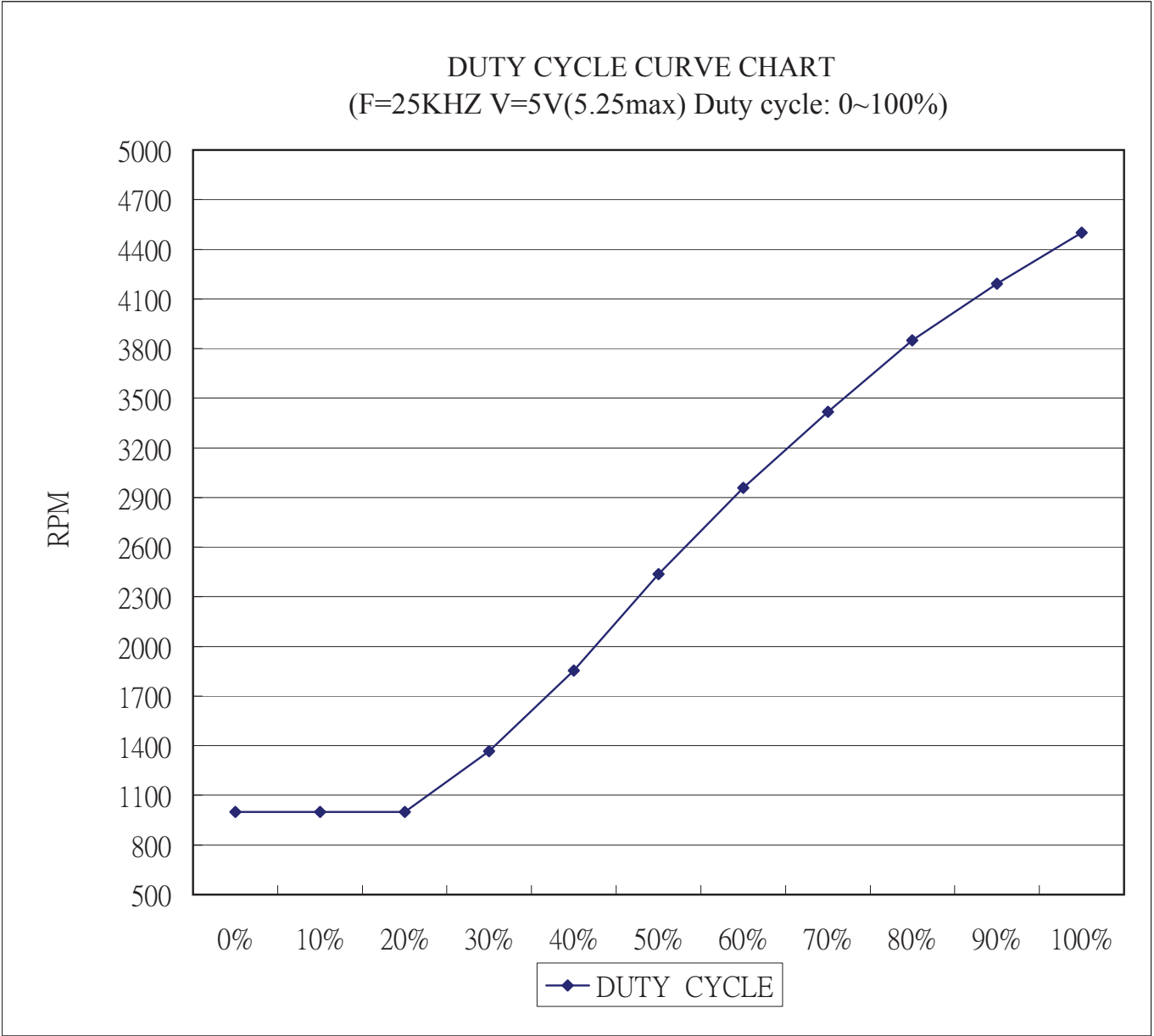
NOTES:

1. LEAD WIRE UL 1430 #26AWG OR EQUIVALENT
 PIN 1: BLACK WIRE---(-)
 PIN 2: YELLOW WIRE---(+)
 PIN 3: GREEN WIRE---(SIGNAL)
 PIN 4: BLUE WIRE---(PWM INPUT)
2. HOUSING: 2510-4P

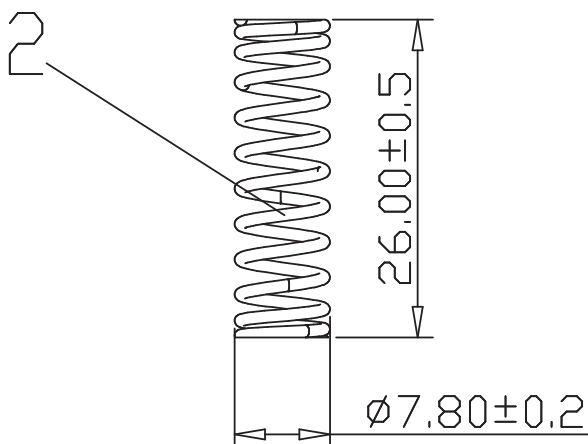
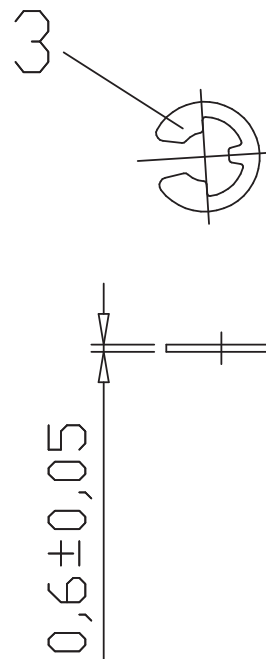
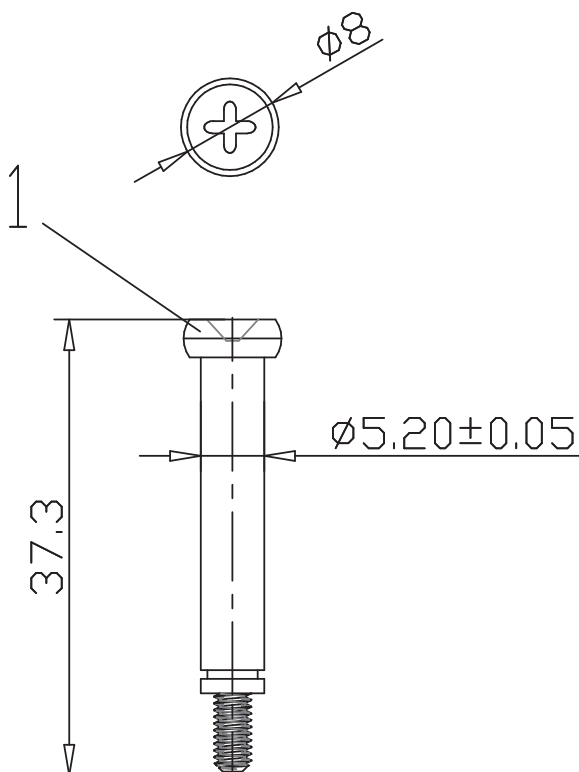
TRCANGLE METHOD		UNIT: mm		MODEL NO.	F129025BU(AF6A5bR)						
APPROVAL	LIU CHUN XIANG	2009/06/09	N	PART NAME	DC FAN						
CHECKED	ZHU QIAO	2009/06/09		DRAWING NAME	OUTLINE						
DRAWING	LIU PING	2009/06/09									
EVERFLOW PRECISION ELECTRON CO, LTD			CODE				T - 001				PAGE: 1

F129025BUAF6A5bR

DUTY CYCLE	SPEED (RPM)	RANGE	CURRENT (REF)
0%	1000	±400	0.08A
10%	1000	±400	0.08A
20%	1000	±400	0.08A
30%	1366	±400 (REF)	0.08A
40%	1854	±400 (REF)	0.08A
50%	2436	±400 (REF)	0.12A
60%	2958	±400 (REF)	0.17A
70%	3419	±10%(REF)	0.24A
80%	3849	±10%(REF)	0.33A
90%	4191	±10%(REF)	0.43A
100%	4500	±10%	<0.55A



GP

TOLERANCE TABLE
(UNLESS OTHERWISE SPECIFIED)

RANGE	TOL±
UNDER 6	0.18
6~10	0.22
10~18	0.27
18~30	0.33
30~50	0.39
50~80	0.46
80~120	0.54
120~250	0.63
250 OVER	0.8
ANG TOL±	1°

3. E-RING	S50C STEEL	4
2. SPRING	Piano steel	4
1. SCREW	SAE 1018/NI	4
P/N	DESCRIPTION	QTY

REV	DESCRIPTION	DATE
REVISION HISTORY		

DRN	FANNY	10/21 2009	P/N:
CHK	TONY	TITLE:	SCALE: 1 : 1
APP	BETH	Spring Screw Kit	UNIT: M/M

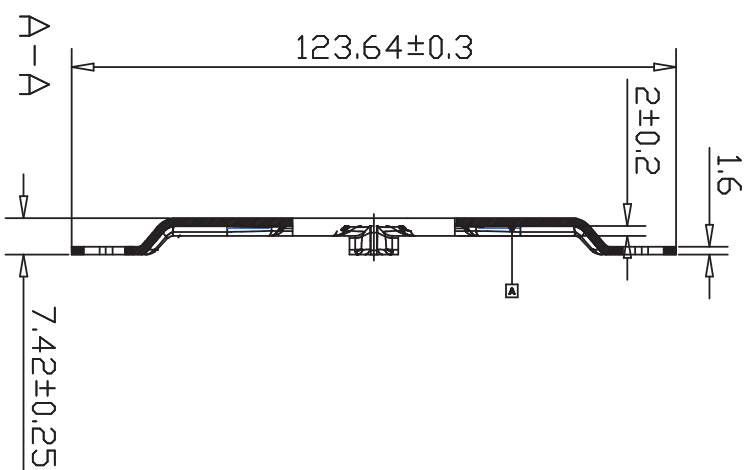
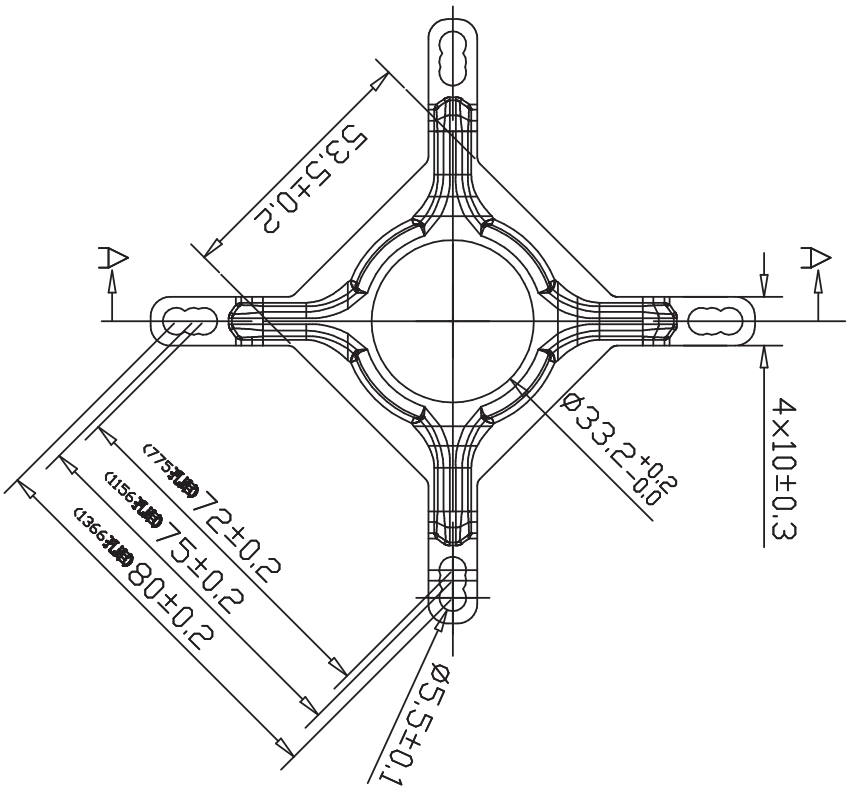
MATERIAL: -- FINISH: -- REV: --



CHIA CHERRIE INDUSTRY CO., LTD.

TEL: +886 4 7323080
FAX: +886 4 7383155

GP

TOLERANCE TABLE
(UNLESS OTHERWISE SPECIFIED)

RANGE	TOL ±
UNDER 6	0.18
6~10	0.22
10~18	0.27
18~30	0.33
30~50	0.39
50~80	0.46
80~120	0.54
120~250	0.63
250 OVER	0.8
ANG TOL ±	1°

REV	DESCRIPTION	DATE	MATERIAL: SK07	FINISH: --	REV: A	DRN	Fanny	07/07 2009	P/N:	TITLE: clip	SCALE: 1 : 1
	REVISION HISTORY					CHK	TONY				UNIT: M/M
						APP	BETH				

CHINA CHINA INDUSTRIAL CO., LTD.
TEL: +86 4 7220000
FAX: +86 4 7203155