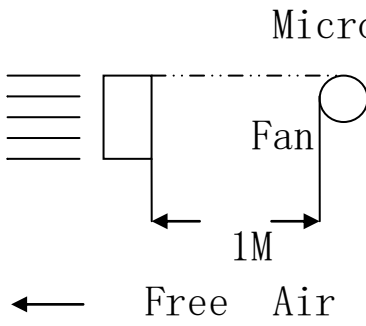


VGA COOLER PHOTOGRAPH



1. FAN SPECIFICATION

1.1 GENERAL SPECIFICATION

1	Code No.	VC-AL4002
2	Model No.	CC4010M12SH (Hydraulic Bearing) CC4010M12D (2-Ball Bearing)
3	Dimension of fan	40*40*10 MM (Reference - DRAWING)
3	Voltage	12V (9.6-13.8V)
4	Power consumption	0.72A
5	Rated current	0.06A
6	Speed	5000 ± 10%RPM At 25 °C ,After 3~5 minutes rotating (Fan alone).
7	air flow	5.6CFM
8	Air Pressure	2.6 mm-H2O
9	Noise	<div style="text-align: right;">Microphone</div>  <p style="text-align: center;">← Free Air</p>
		24dBA

3.2 FAN MAIN MATERIALS/PARTS SPECIFICATION

1	Plastic material/Blade/Frame Housing Of Insulation	a. PBT (RoHs) b. Black
2	Bearing	Hydraulic Bearing or 2-Ball Bearing for option
3	P. C. B	Single Printed PCB
4	ENAMELED WIRE	2UEW
5	SILICON STEEL STRIP	H23
6	Lead Wire	UL2468 26# L=50±10MM BLACK (-) RED (+) YELLOW (FG)
7	Connector	2510-3PIN

3.3 FAN ELECTRICAL SPECIFICATION

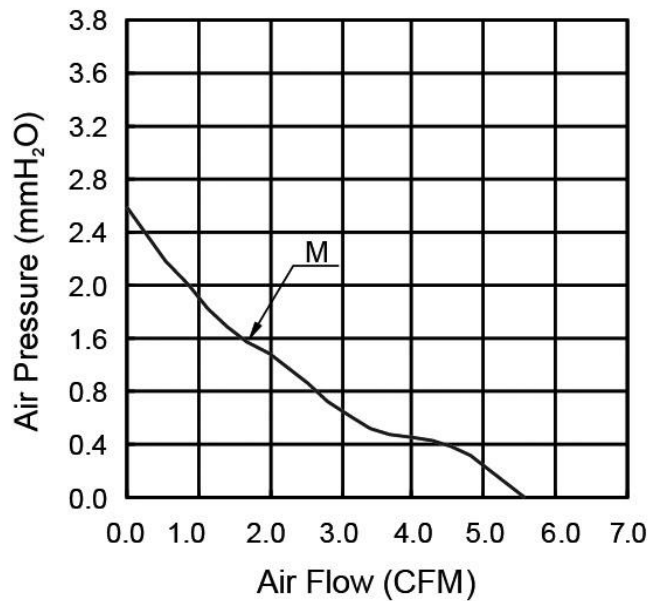
1	Insulation Resistance	10MΩ /between unshackled wire and frame at500VDC/min
2	Dielectric Strength	5Ma Max. /Measured between lead wire(+)and frame at 500VAC/min
3	Expect Life	40,000 hrs, 25°C (Hydraulic Bearing) 60,000 hrs, 25°C (2-Ball Bearing)
4	Rotating Direction	Anti-Clockwise
5	Polarity Protect	Circuit is protected when VCC&GND are exchanged
6	No. of pole	4Poles

3.4 ENVIRONMENTAL SPECIFICATION

1	Operating Temp . Range	Temperature: $-10^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Humidity: $35\% \sim 85\% \text{RH}$
2	Store Temperature	Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ Humidity: $35\% \sim 85\% \text{RH}$
3	Humidity	MIL-STD 202F Method 103B Humidity: $95\% \text{RH}$ Temperature: $40 \pm 2^{\circ}\text{C}$
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	UL: Class A
6	Packing Vibration Test	1.1G load vibration test for 30min .No serious damaged
7	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60cm high packing No serious damaged

3.5 PERFORMANCE CURVES

Performance Curves



TEST CONDITION: INPUT VOLTAGE--RATED VOLTAGE

TEMPERATURE--ROOM TEMPERATURE HUMIDITY--HUMIDITY

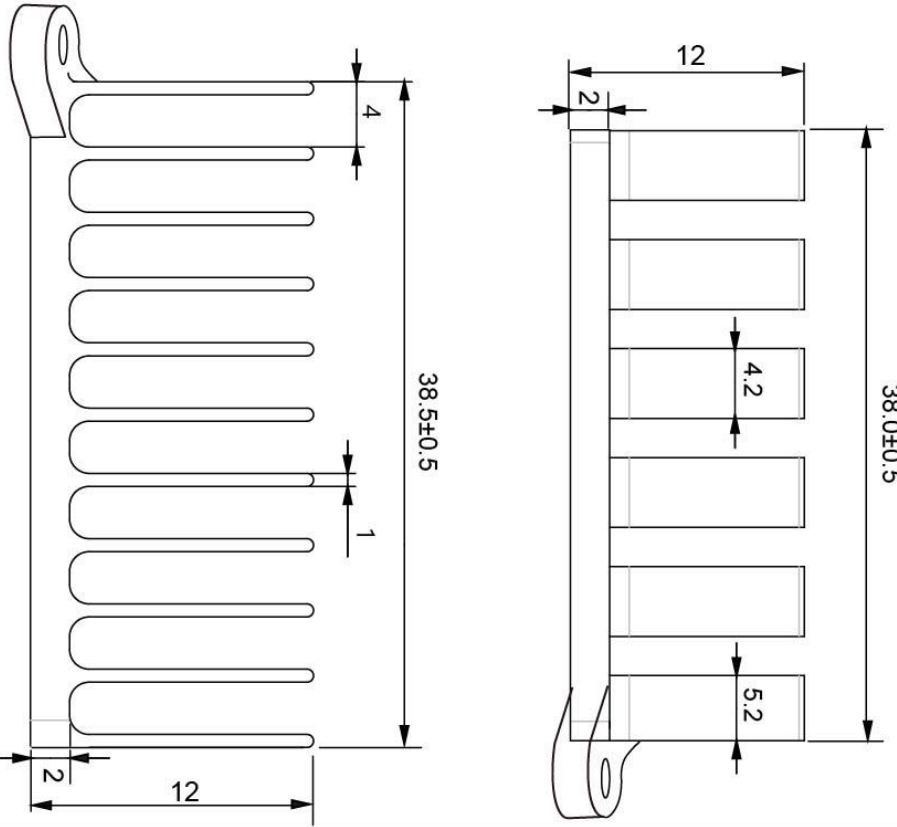
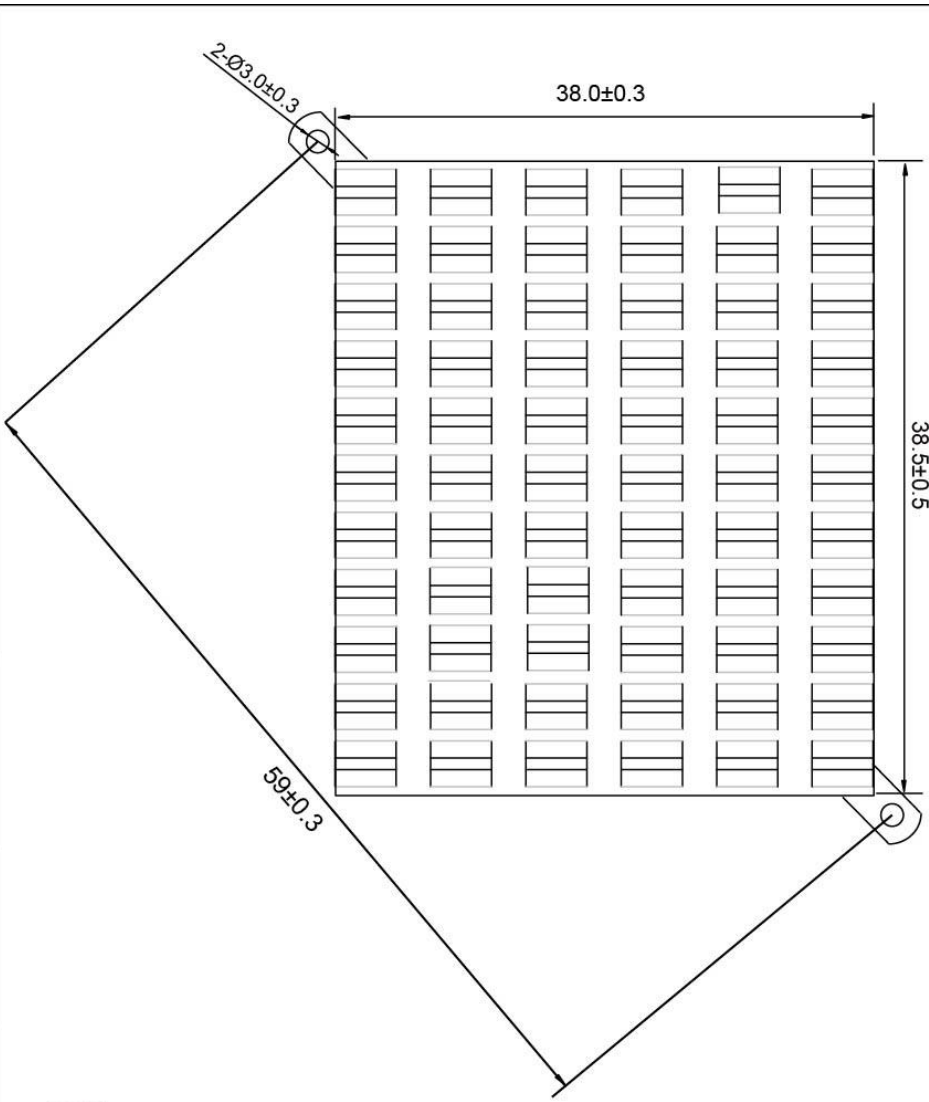
4.0 DRAWING


REVISIONS				
REV	DESCRIPTION	DFT	DATE	CHK
S-00	DRAWN			/

NO	PART NO	DESCRIPTION	MATERIAL	COLOR	FINISH	NOTE
#1	VC-AL4002-4010P	5000RPM+/-10%	PBT	BLACK		1EA
#2	VC-AL4002-3812A	38*38*12T	AL 6063	SILVER		1EA
#3	VC-AL4002-6022P	Ø6*22mm	PBT	BLACK		2EA
#4	VC-AL4002-3016M	M3*16mm	Low Carbon Steel	GREY		4EA

COOLCOX CORPORATION		MATERIAL	FINISH	UNIT	SCALE	PART NAME:	DWG NO.
				MM	/	41D300X640400	A1
TOLERANCE UNLESS NOTED	0.0~ 5.0 ±0.2 5.0~ 20.0 ±0.3 20.0~ 50.0 ±0.5	50.0~100.0 ±0.9 R=0.5 ANGULAR ±3°	APPROVED BY JASON	CHECKED BY John	DRAWN BY SQK	DATE 2016.2.04	PART NO. VC-AL4002
							REVISION S-00

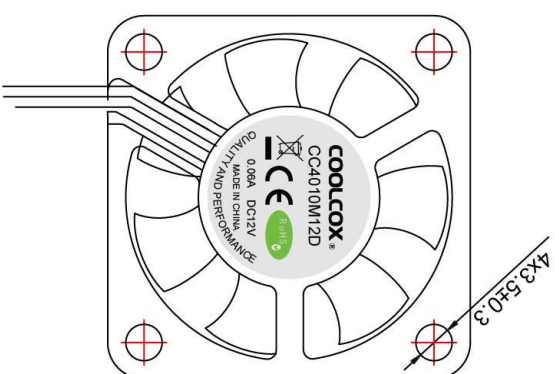
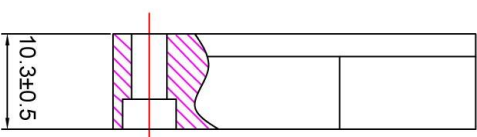
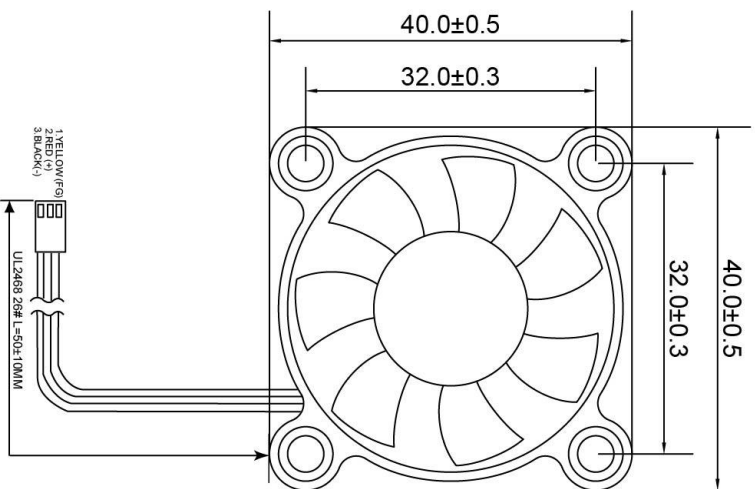
REVISIONS						
REV	DESCRIPTION	DFT	DATE	CHK	DATE	APVD
S-00	DRAWN			/		



		COOLCOX CORPORATION		MATERIAL AL 6063		FINISH BLACK		UNIT MM		SCALE /		PART NAME: HEAT SINK		DWG NO. A1			
TOLERANCE UNLESS NOTED		0.0- 5.0±0.2 5.0- 20.0 ±0.3 20.0- 50.0 ±0.5		50.0-100.0 ±0.9 R=0.5 ANGULAR ±3°		APPROVED BY JASON		CHECKED BY John		DRAWN BY SQK		DATE 2016.02.04		PART NO. VC-AL4002-3812A		REVISION S-00	

REVISIONS

REV	DESCRIPTION	DFT	DATE	CHK	DATE	APVD	DATE
S-00	DRAWN		/				



Voltagge	12 V		
Current	0.06 A		
Bearing	2-Ball bearing		
Speed	5,000±10%RPM		
Connector	2510-3P		
Wire 1	YELLOW(FG) 26# UL2468		
Wire 2	RED(+) 26# UL2468		
Wire 3	BLACK(-) 26# UL2468		
Item	Part Description	Part Number	Q'TY

COOLCOX CORPORATION

MATERIAL
PBT RoHS

FINISH
BLACK

UNIT
MM

SCALE
/

PART NAME:
VC-AL4002-4010P

DWG NO.
4010G

TOLERANCE
UNLESS NOTED

0.0~ 5.0 ±0.2
5.0~ 20.0 ±0.3
20.0~ 50.0 ±0.5

50.0~100.0 ±0.9
R=0.5
ANGULAR ±3°

APPROVED BY
JOHN

CHECKED BY
JASON

DRAWN BY
SQK

DATE
2016.02.04

PART NO.
CC4010H05D150715A1

REVISION
S-00

