1 · Mechanical 1 1 · External dimension 120*120*38mm

12 · Weight 246g/pcs (Lead wire length x 300mm & without connector)

Two Ball bearing

2 · Electrical characteristics(in free air at rated voltage)

13 · Bearing

2 1 · Rated voltage 2 2 · Rated current 0 37±10%A 2 3 · Rated input power 3 · Efficiency 3 1 · Rated speed(range) 2540RPM±10% 3 2 · Maximum air flow 101 3CFM 3 3 · Maximum static air pressure
4 · Characteristics
4 1 · Operating voltage range 7 66mm H2O 7 5V 13 8V 4 2 . Starting voltage 7 5V(ON/OFF) 4 3 · Locked current
4 4 · Operating temperature
4 5 · Storage temperature 0 46A(Reference) 10°C +70°C 30°C +85°C

4 6 · Waterproof class Grade IP58 to an immersion depth of 1 0 metre in water At least $10 \mbox{M}\,\Omega$ at 500 VDC between housing and both lead 4 8 · Insulation resistance

Withstand 500 VAC 1 minute 1mA between housing and both 49 · Dielectric strength

4 10 · MTBF : 50.000Hours

4 10 * MLD F - 30,000 rious.

Life ecpectance: 50,000 Hours continuous operation at rated voltage and normal temperature & humidity

Connector will not be any broken at 1 Kg for 15 seconds per piece 4 11 . Tensible strength of connector

4 12 · Accoustic sound level 41 0dBA(Max 41 0dBA)

4 12 1 \ Accoustic sound level test descriptions



4 13 . Characteristics definition:

4 13 1 · Rated current, rated speed, and rated input power shall reach bottom line of specification after 5 minutes continuous rotation at rated voltage and reach standard specification after 10 minutes continuous at rated

4 13 2 Starting voltage is the least voltage that enables to start the fan by sudden power on

Reversal voltage test: We took 200pcs for reversal voltage test at 12V for 1 minutes and all remain still Fans work normally after corrected voltage

6 - Safety	UL	CE	RoHS
		√	$\sqrt{}$

7 · Material

Item	Major components	Material & Specification	Grade	Rmark
7 1	Fan housing	PBT 70% + Fiber 30%	94V 0	
7 2	Fan blade	PBT 85% + Fiber 15%	94V 0	
7 3	Stator core	Stainless steel (SUS42012)		
7 4	Bearing	Ball bearing or sleeve bearing (Cu+GLY) 2100		Two Ball bearing
7 5	Rubber magnet	Strontium ferrite (BOB 14W)		
7 6	Silicon steel strip	(H23) (H 8)		
77	Enamelled copper wires	Material & Specification 0 22 0 23mm	MW 2 UEW	Heat resistance120°C
7 8	Printed Circuit Board	Wiring printed single layer board	94V 0	CAM 1 T:0 8mm
7 9	Lead wires	Polyvinyl Choride enamelled copper wires (AWG#22)	94V 0	Red wire:+polarity Black wire: polarity
7 10	Label	Polyester		

8 . Product inspection procedure

Inspection procedures below are extremely followed

8 1 · 100% Electric, rotating, dead spot, fan blade fasten, and primary noise test on production line

8 2 \ 100% Current wave test with scope on production line

8 3 · 100% Strike test by hand and noise filter in quiet room

8 4 \ 10 cm drop test at random in accordance with MIL STD 105E standard

8 5 . Random inspection in accordance with MIL STD 105E standard

8 6 · Pass/Reject standard:

Major AQL:0 65 Minor AQL:1 0 Critical AQL:04

We will not guarantee the products if the application of our products are exceeded the limitation which s specified on this specification

In case of changes of the specification specified on this document A written notice is requested in

Please do not touch the impeller with the pressure and never bring the fan with lead wire The bearing and lead wire may be damaged

No guarantee on the products against the safety problem or failure caused by powder dust or insect

If there is any data or related documentation different from this data sheet This data sheet is the principle reference

Please do not use the fan in the environment of corrosive liquid or detrimental gas

Please do not store the fan in the environment of high/low temperature or detrimental gas

98.

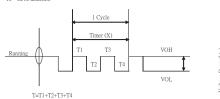
While the fan is in operation, please do not lock the fan intentionally for a long periods of time, since invous stoppage will result in overheat and thus burnt out the fan

During the installation of the fan, please pay substantial attention to possible notice caused by resonance vibration and shock

 $_{2}$ 10 $^{\circ}$ It is very important to notify that avoid to drop from 60cm height when in any movement or operation, it will impact the balance of blade Especially ball bearing structure is avoided to drop down 9 11 $^{\circ}$

The torque of the screw which locked the frame should not exceed 4 $\ensuremath{\mathrm{Kgf}}$

10 · RPM detection



1 · Output waveform:square wave

2 · When the voltage value is higher (Voltage Y)then output waveform is higher

3 · When the fan is shutdown then output waveform is a horizontal line

4 . The cyclic distance is longer then the RPM is Slower 5 · RPM formula as follows:

$$RPM = \frac{3810}{X(ns)}$$

Example

X=15ns

Ls=1000ns Lmin=38100ns

3810 =2540 RPM =

11 · Installation drawing

