SPECIFICATIONS

MODEL:YX2501 12V S1B SIZE: 30*30*06 mm

A) SCOPE:

THIS SPECIFICATION DEFIENS THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN. THE FAN MOTOR IS WITH WO PHASES AND FOUR POLES

B) ELECTRICAL CHARQCTERISTICS

ALL MEASUREMENTS PERFORMED
AT 20-30 DEGREE C ROOM TEMPERATURE & 50-70% R.H.
UNLESS OTHERWISE SPECIFIED

ITEM	DESCRIPTION	REMARK
RATE VOLTAGE	12 V DC	
RATE CURRENT	0.10A -/+10%	IN FREE AIR
IN PUT POWER	1.2W -/+10%	IN FREE AIR
SPEED	8000RPM - 15%	IN FREE AIR
MAX AIR FLOW	3.09CFM -/+10%	AT ZERO STATIC PRESSURE
MAX STATIC PRESSURE	0.11 INCH-H2O +/- 10%	AT ZERO AIR FLOW
INSULATION RESISTANCE	10Meg Ohm Min. at 500V DC	BETWEEN FRAME AND TERMINAL
DIRELECTRIC STRENGTH 10MA MAX AT 700V AC 60 HZ FOR 1 MINUTE		BETWEE FRAME AND TERMAINL
LIFE EXPECTANCE	30000 HOURS	IN 25 C 65% RH.
ACOUSTICAL NOISE	21 dBA MAX MEASURING DISTANCE 1M	
VIBERATION TEST	AMPLITUDE 1.5M 10-55HZ 3 DIRECTION X.Y.Z. 1HR	
SHOCK TEST	ACCELERATION OF GRAVITY 30G.AT 6M X.Y.G. 1HR	
BEARING TYPE	ONE BALL BEARING	
AIR-FLOW DIRECTION	AIR INTAKE OVER THE STRUTS	
INSUALTION RANK	UL: CLASS A	

* LIFE IS DEFINED AS THE TIME MOTOR SPEED DECREASED

MORE THAN 30% COMPARED WITH INITIAL VALUE

C)MECHANICAL

C-1) DIMENSIONS----------SEE ATTACHED

C-2) FRAME---------- PLASTIC PBT UL: 94V-0 RATING +FIBER GLASS

C-3) FAN BLADE----------PLASTIC PBT UL: 94V-0 RATING +FIBER GLASS

C-4) BEARING SYSETM----------ONE BALL BEARING

C-5) LEAD WIRE----------UL 1061 AWG #28

\+ POSTIVE ----------RED

\- NEGATIVE----------BLACK

D) PROTECTION:

D-1) POLARITY PROTECTION

BUILT-IN ELECTRONIC CIRCUIT PROTECTS THE FAN AGAINST REVERSE CONNNECTION OF POSITIVE AND REVERSE LEADS

E) ENVIERONMENTAL:

E-1) OPERATING TEMPERATURE ---------- -10 TO + 70 DEGREE C

E-2) STORAGE TEMPERATURE---------- -20 TO + 75 DEGREE C

E-3) DROP TEST

IN MINIUMUM PACKAGING CONDITION FANS WITHSTANDS EACH ONE DROP OF THREE FACES FROM 30 CM DISTANCE HEIGHT ONTO 10MM THICKNESS OF WOODEN BOARD

E-4) VIBRATION TEST

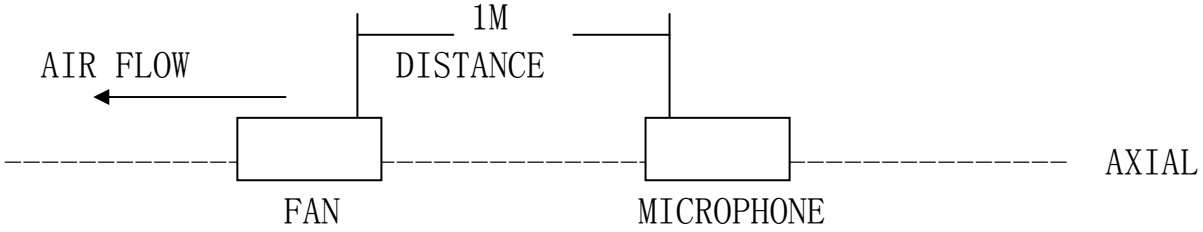
FREQUENCY: 10-50 HZ AMPLTUDE X. Y. Z. DIRECTION EACH FOR 1 HR

E-5) SHOCK TEST

APPLY PEAK ACCELERATION 50g AND KEEP DURATION OF THE PULSE FOR 11ms (HALF SINE WAVE)

F) ACOUSTICAL NOISE:

F-1) MEASUREMENT STE-UP



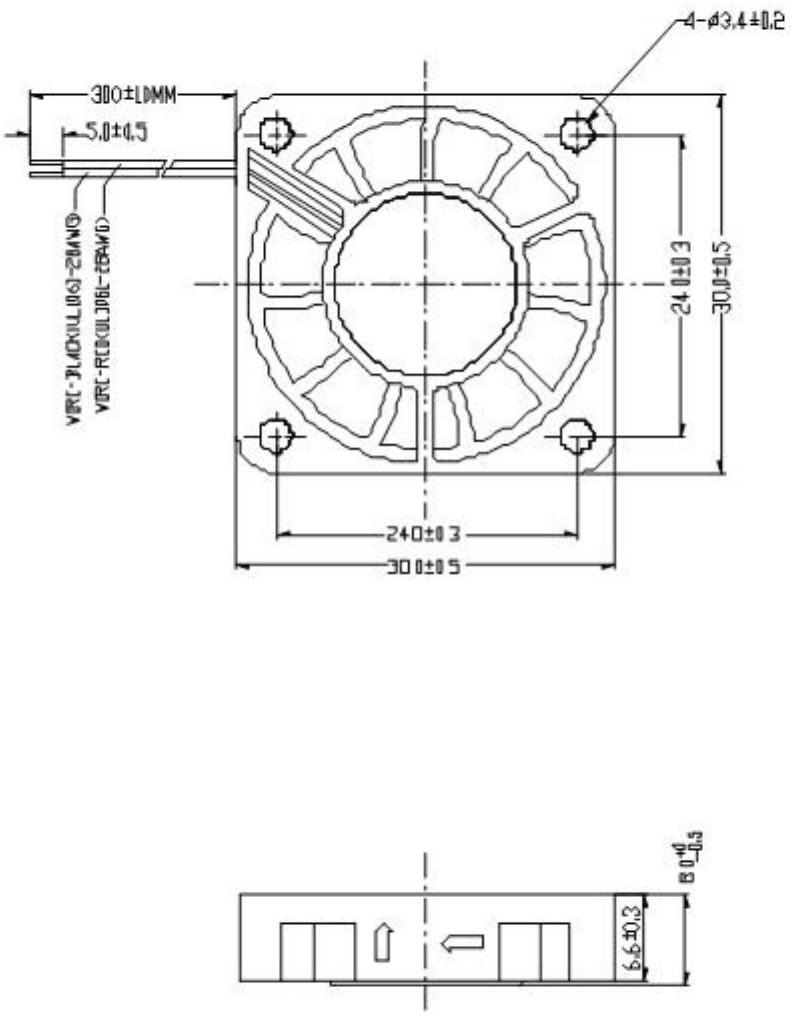
F-2) MEASUREMENT PERFORMED IN ANECHOIC EST CHAMBER UNDER FREE AIR CONDITON

F-3) CHAMBER BACK GROUND NOISE 17 dB MAX.

F-4) READING TAKEN FROM SPECTRUN ANALYZER

G) STATICS PRESSURE VS AIR FLOW CURVE:

AS ATTACHED PAGE:


4-ø3.4±0.2
300±10MM
5.0±0.5
24.0±0.3
30.0±0.5
24.0±0.3
30.0±0.5

6.6±0.3