



# SPECIFICATION FOR APPROVAL

CUSTOMER:  
MODEL NO: **AT2510L-12H2B ND1**  
DESCRIPTION: 12V DC Fan (Frame tyep II)  
DATE: 2008.08.28

## CUSTOMER APPROVAL SIGNATURE

CUSTOMER APPROVED STAMP

\*PLEASE RETURN ONE TO US AFTER CHECKING

## UTECH

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# PRODUCT SPECIFICATION

## A.GENERAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
A-1	Part No.	AT2510L-12H2B ND1
A-2	Outline Dimension	25x25x10(II)
A-3	Rated Voltage	12V
A-4	Operating Voltage Range	6~13.8V
A-5	Rated Current	0.10A
A-6	Power Consumption	1.68W
A-7	Rated Speed	13000RPM±15%
A-8	Max. Airflow	2.85 CFM
A-9	Max Static Pressure	5.63 mmH2O
A-10	Noise Level	31.5 dBA(Max:35.5 dBA)
A-11	Rotation Direction	Anti-clockwise Direction

## B.ELECTRICAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
B-1	Temperature life expectancy	70000 Hours(45℃)
B-2	Insulation Resistance	At least 10MΩ at 500VDC between housing and both lead wires.
B-3	Dielectric Strength	Withstand 600VAC 1 minute 1Ma between housing and both lead wires.

## C.MAIN MATERIAL/PARTS SPECIFICATION

ITEM	COMPONENTS	MATERIAL OR TYPE	GRADE
C-1	Housing & Impeller	Plastic	
C-2	Splash Proof	NO	
C-3	Weight	8.4g	
C-4	LEAD WIRES	UL1007/1095/2468#28 Parallel Wire	
C-5	CONNECTOR HOUSING	NP Two lead wire	
C-6	CONNECTOR		
C-7	BEARING	Ball Bearing	

## D.ENVIRONMENTAL SPECIFICATION

ITEM		SPECIFICATION/CONDITION
D-1	Operation Temperature	-10°C,~+70°C, /66%(RH)
D-2	Storage Temperature	-40°C,~+70°C, /66%(RH)
D-3	Environment Humidity	Less than 85%(RH)

### E-1.Shock test

- Pulse shape : Half-sine wave
- Shock duration time : 2ms
- Velocity : 70~100 inch/sec
- Number of shock : one shock for each of six faces ( Total : six shocks )

### E-2.Vibration

- Frequency range : 10~500Hz scan 15 minutes .
- Direction : X 、 Y 、 Z .
- Acceleration : 1.5g r.m.s, each direction 2 hours .

Figure 1. Fan Performance Curve

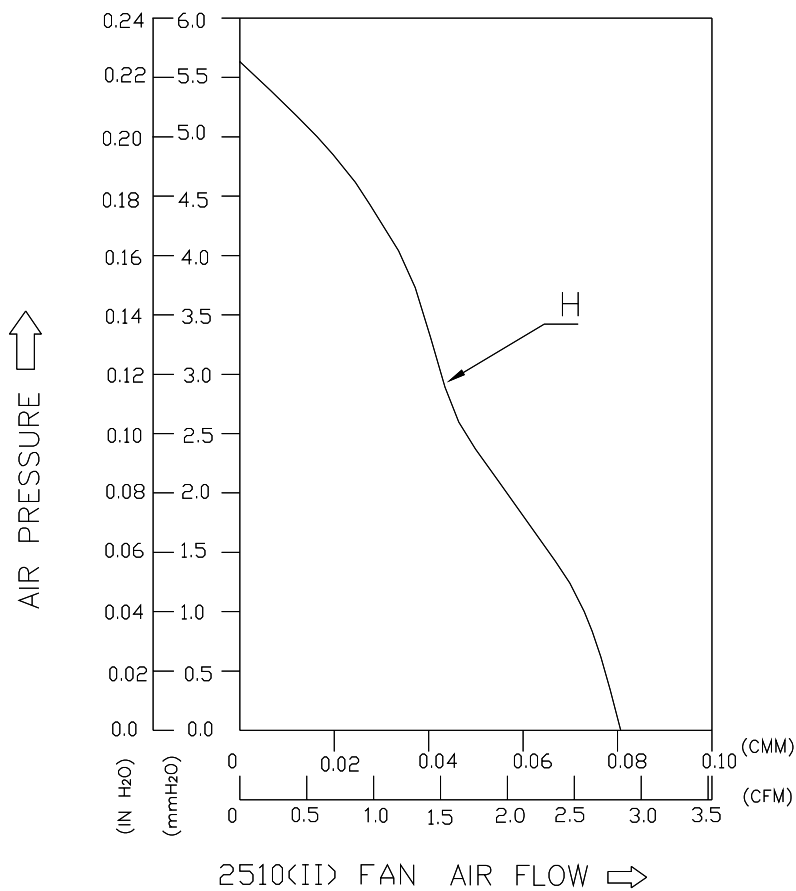
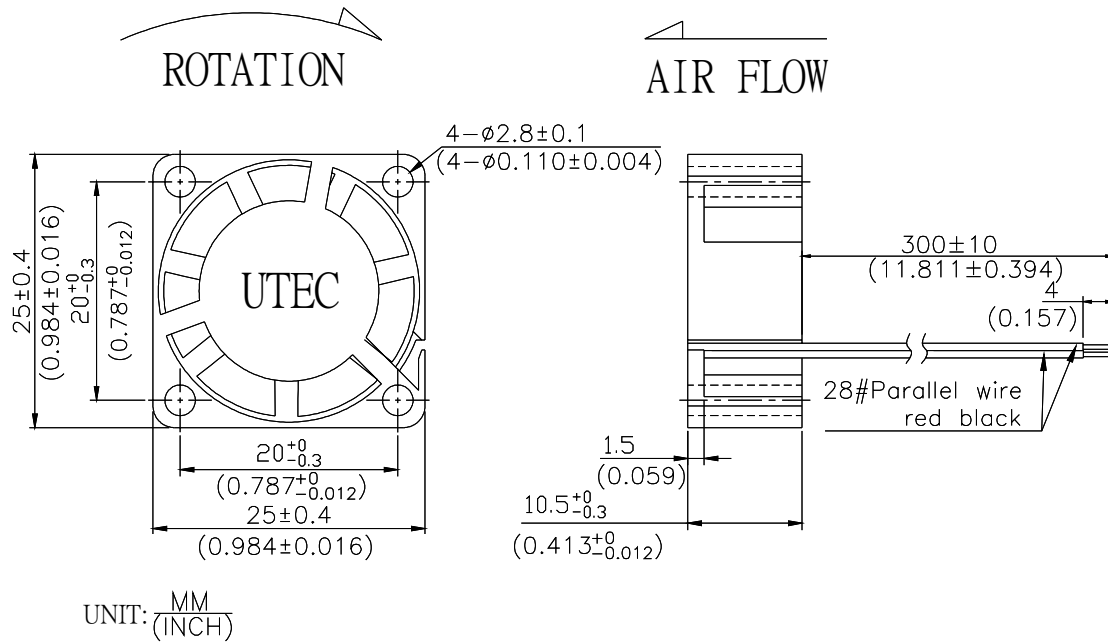


Figure 2 Fan Dimension & Assembly



Notes:

1. Tolerances:
2. Impeller must not protrude beyond front surface
3. Minimum 0.50 radius at all rib intersections
4. Unit: mm