DELTA ELECTRONICS, INC. 252, SHANG YING ROAD, KUEI SAN TAOYUAN HSIEN 333, TAIWAN, R. O. C.

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SPECIFICATION FOR REFERENCE

Customer:			
Description:	DC FAN		
Customer P/N:		REV:	
Delta Model NO.:	ASB0305MA-CA8Z		
Sample Rev:	X00	Issue NO:	
Sample Issue Date	:	Quantity:	

1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS BLOWER. THE BLOWER MOTOR IS WITH SINGLE PHASE AND FOUR POLES.

2. CHARACTERS:

ITEM	DESCRIPTION				
RATED VOLTAGE	5.0 VDC				
OPERATION VOLTAGE	4.5 - 5.5 VDC				
START-UP VOLTAGE	4.0 VDC				
INPUT CURRENT	0.11 (MAX. 0.15) A				
INPUT POWER	0.55 (MAX. 0.75) W				
SPEED	9000±15% R.P.M.				
MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	0.097 (MIN. 0.080) M ³ / MIN. 3.443 (MIN. 2.823) CFM				
MAX. AIR PRESSURE (AT ZERO AIRFLOW)	$\begin{array}{c} 4.306 \ ({\rm MIN.} \ 2.895) \ {\rm mmH_20} \\ 0.170 \ ({\rm MIN.} \ 0.114 \) \ {\rm inchH_20} \end{array}$				
ACOUSTICAL NOISE (AVG.)	23.0 (MAX. 27.0) dB-A				
INSULATION TYPE	UL: CLASS A				

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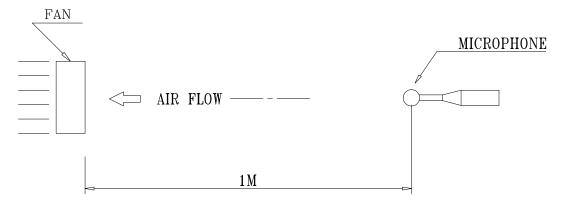
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DELTA MODEL: ASB0305MA-CA8Z

INSULATION STRENGTH	10 MEG OHM MIN. AT 500 VDC (BETWEEN FRAME AND (+) TERMINAL)
DIELECTRIC STRENGTH	5 mA MAX. AT 500 VAC 50/60 Hz ONE MINUTE, (BETWEEN FRAME AND (+) TERMINAL)
EXTERNAL COVER	OPEN TYPE
LIFE EXPECTANCE	20,000 HOURS CONTINUOUS OPERATION AT 40°C WITH 65 %RH.
ROTATION	COUNTERCLOCKWISE DIRECTION FROM FRONT VIEW OF AIR FLOW INLET
INSULATION TYPE	UL: CLASS A
LEAD WIRE	UL 1061 AWG #26 BLACK WIRE NEGATIVE(-) RED WIRE POSITIVE(+) BLUE WIRE FREQUENCY(-F00)

NOTES: 1. ALL READINGS ARE MEASURED AFTER STABLY WARMING UP THROUGH 10 MINUTES.

- 2. STANDARD AIR PROPERTY IS AIR AT (Td) 25°C TEMPERATURE, (RH) 65% RELATIVE HUMIDITY, AND (Pb) 760 mmHg BAROMETRIC PRESSURE.
- 3. THE VALUES WRITTEN IN PARENS, (), ARE LIMITED SPEC.
- 4. ACOUSTICAL NOISE MEASURING CONDITION:



NOISE IS MEASURED AT RATED VOLTAGE IN FREE AIR IN ANECHOIC CHAMBER WITH B & K SOUND LEVEL METER WITH MICROPHONE AT A DISTANCE OF ONE METER FROM THE FAN INTAKE.

DELTA MODEL: ASB0305MA-CA8Z

3. MECHANICAL:

	3-1.	DIMENSIONS	SEE	DI	MENS	SIONS	DR	AWI	NG
	3-2.	FRAME		_	PLAS	STIC U	J L:	94V	/-0
	3-3.	IMPELLER		-	PLAS	STIC U	JL:	94V	~-0
	3-4.	BEARING SYSTEM			SI	LEEVE	BE	ARI	NG
	3-5.	WEIGHT			7	.4(REI	F.) (GRA	MS
4.	ENVI	RONMENTAL:							
	4-1.	OPERATING TEMPERATURE		-10	TO	+70	DEG	REF	E C
	4-2.	STORAGE TEMPERATURE		-40	TO	+75]	DEG	REE	C C
	4-3.	OPERATING HUMIDITY				5 TO	90	%	RH
	4 - 4.	STORAGE HUMIDITY				5 TO	95	%	RH

5. PROTECTION:

5-1. LOCKED ROTOR PROTECTION

IMPEDANCE OF MOTOR WINDING PROTECTS MOTOR FROM FIRE IN 96 HOURS OF LOCKED ROTOR CONDITION AT THE RATED VOLTAGE.

5-2. POLARITY PROTECTION

BE CAPABLE OF WITHSTANDING IF REVERSE CONNECTION FOR POSITIVE AND NEGATIVE LEADS.

6. RE OZONE DEPLETING SUBSTANCES:

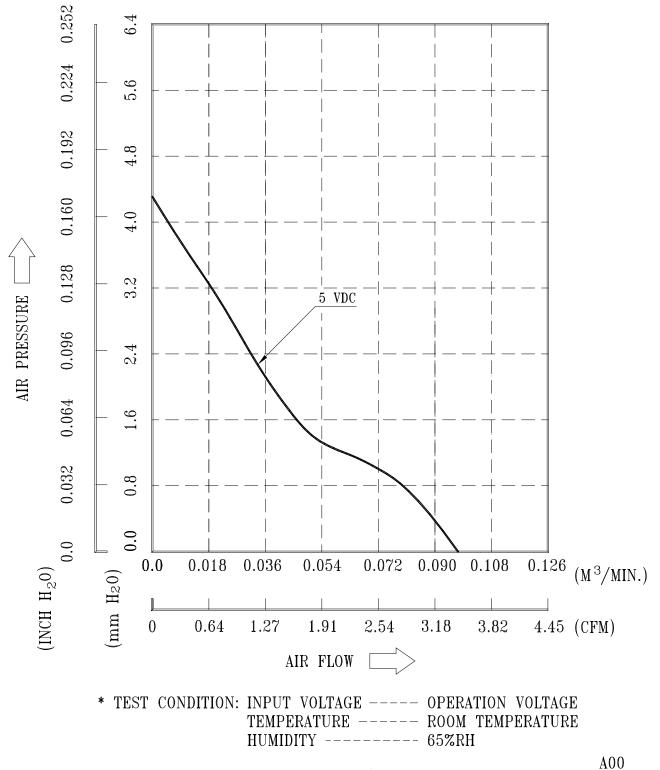
6-1. NO CONTAINING PBBs, PBBOs, CFCs, PBBEs, PBDPEs AND HCFCs.

7. PRODUCTION LOCATION

7-1. PRODUCTS WILL BE PRODUCED IN CHINA OR THAILAND .

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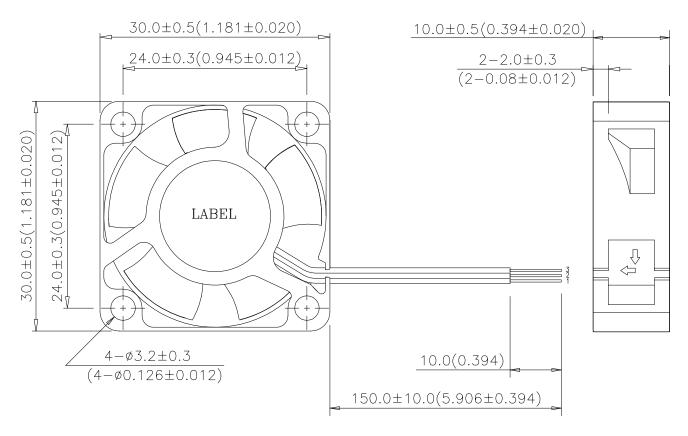
8. P & Q CURVE:



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9. DIMENSION DRAWING:





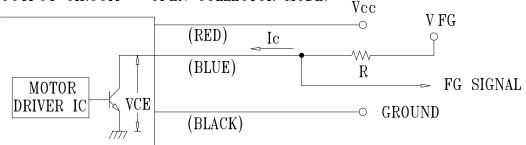
UNIT: mm(INCH)

- 1. THIS PRODUCT IS RoHS COMPLIANT 2. UL 1061 -F- AWG #26
 - PIN 1 : BLACK WIRE NEGATIVE(-) PIN 2 : RED WIRE POSITIVE(+) PIN 3 : BLUE WIRE FREQUENCY(-F00)
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PART NO: DELTA MODEL: ASB0305MA-CA8Z

- 10. FERUENCY GENERATOR (FG) SIGNAL:
 - 1. OUTPUT CIRCUIT OPEN COLLECTOR MODE:



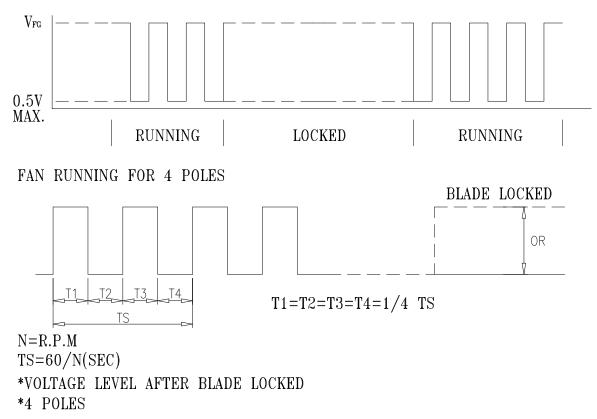
CAUTION: THE FG SIGNAL LEAD WIRE MUST BE KEPT AWAY FROM "+" LEAD WIRE & "-" LEAD WIRE.

2. SPECIFICATION:

 V_{CE} (sat)=0.5V MAX. V_{FG} =5.5VDC MAX.

 $I_c = 5 mA MAX.$ $R \ge V_{FG} / I_c$

3. FREQUENCY GENERATOR WAVEFORM:



A00

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Delta Electronics: ASB02505HHA-AX01