SPECIFICATION FOR APPROVAL

Customer. 达瑞美 | DRM

Description. DC FAN

Part No. _____ _____

Delta Model No. TAA0412DDX01WTE 00

Sample Issue No. _____

Sample Issue Date. OCT-19-2020

PLEASE SEND ONE COPY OF THIS SPECIFICATION BACK AFTER YOU SIGNED APPROVAL FOR PRODUCTION PRE-ARRANGMENT.

APPROVED BY:

DATE :

Delta Electronics, Inc.
HeTianXia High-Tech Industrial Park.
Shi Jie Town, Dong Guan City.
Guangdong Province, China. P. R. C.
TEL : 86-769-86329008
FAX : 86-769-86631589

Delta Electronics, Inc.
HeTianXia High-Tech Industrial Park.
Shi Jie Town, Dong Guan City.
Guangdong Province, China. P. R. C.

TEL : 86-769-86329008
FAX : 86-769-86631589

STATEMENT OF DEVIATION

****

■ NONE

□ DESCRIPTION :

Delta Electronics, Inc.
HeTianXia High-Tech Industrial Park.
Shi Jie Town, Dong Guan City.
Guangdong Province, China. P. R. C.

TEL : 86-769-86329008
FAX : 86-769-86631589

SPECIFICATION FOR APPROVAL

****

Customer: 达瑞美 | DRM

Description: DC FAN

Customer P/N: REV:

Delta Model NO.: TAA0412DDX01WTE Delta Safety Model NO: TAA0412DDX01

Smaple Rev: 00 Issue NO:

Sample Issue Date: OCT-19-2020 Quantity:

1. SCOPE:

THIS SPECIFICATION DEFINES THE ELECTRICAL AND MECHANICAL CHARACTERISTICS OF THE DC BRUSHLESS AXIAL FLOW FAN.

2. CHARACTERS:

ITEM	DESCRIPTION
RATED VOLTAGE	12.0 VDC
OPERATION VOLTAGE	7.0 - 15.0 VDC
INPUT CURRENT (AVG.)	0.55 (MAX. 0.75) A (SAFETY CURRENT ON LABEL 0.90A)
INPUT POWER(AVG)	6.6 (MAX. 9.0) W
SPEED	18000 ± 10% R.P.M.
MAX. AIR FLOW (AT ZERO STATIC PRESSURE)	0.63 (MIN. 0.55) M^3/MIN. 22.16 (MIN. 19.50) CFM
MAX. AIR PRESSURE (AT ZERO AIRFLOW)	46.00 (MIN. 36.80) mmH_2O 1.81 (MIN. 1.45) $inchH_2O$
ACOUSTICAL NOISE (AVG.)	56.5 (MAX. 60.5) dB-A
INSULATION TYPE	UL: CLASS A

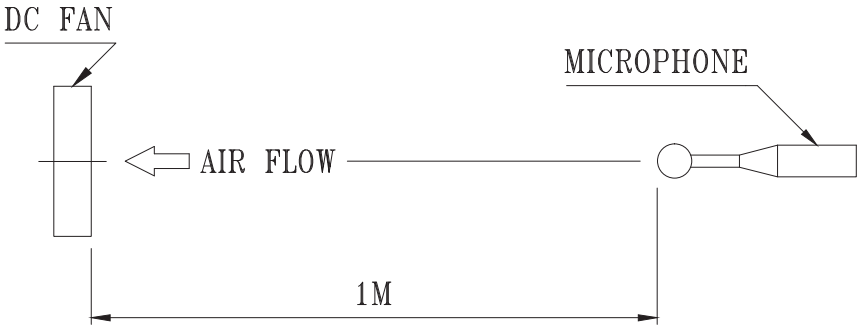
(continued)

PART NO:

DELTA MODEL: TAA0412DDX01WTE

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)
LIFE EXPECTANCE(L10) AT LABEL VOLTAGE	100,000 HOURS CONTINUOUS OPERATION AT 40 °C WITH 15 ~ 65 %RH.
ROTATION	CLOCKWISE VIEW FROM NAME PLATE SIDE
LOCKED CURRENT SHUT DOWN	THE CURRENT WILL SHUT DOWN WHEN ROTOR LOCKED AND FIXED.

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 MICROPHONE AT A DISTANCE OF ONE METER FROM THE FAN INTAKE.

PART NO:

DELTA MODEL: TAA0412DDX01WTE

3. MECHANICAL:

3-1. DIMENSIONS —— SEE DIMENSIONS DRAWING

3-2. FRAME —— PLASTIC UL: 94V-0

3-3. IMPELLER —— PLASTIC UL: 94V-0

3-4. BEARING SYSTEM —— TWO BALL BEARINGS

3-5. WEIGHT —— 25 GRAMS(REF)

4. ENVIRONMENTAL:

4-1. OPERATING TEMPERATURE —— -10 TO +75 DEGREE C

4-2. STORAGE TEMPERATURE —— -40 TO +75 DEGREE 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.

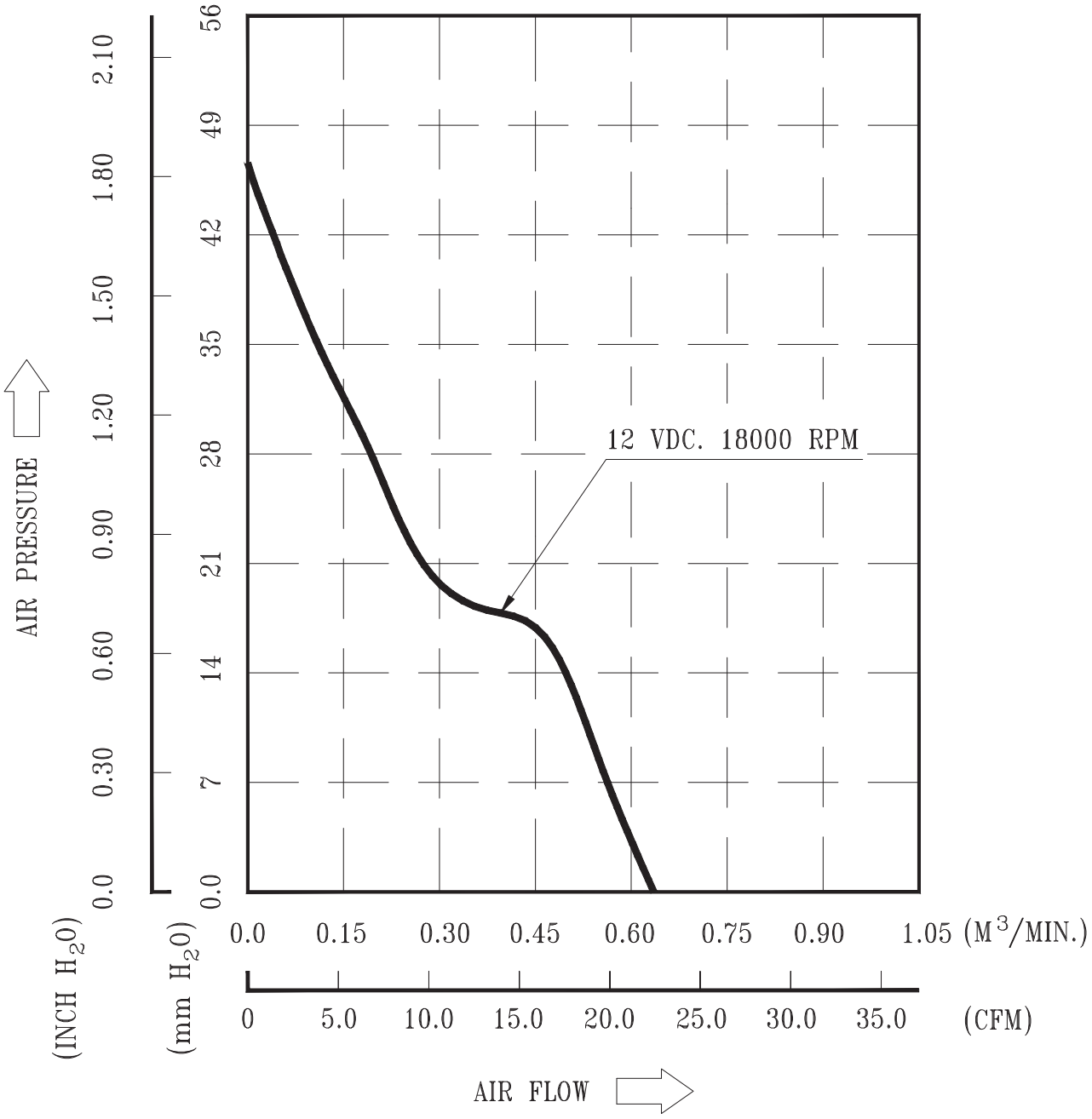
7. PRODUCTION LOCATION

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

PART NO:

DELTA MODEL: TAA0412DDX01WTE

8. P & Q CURVE:



* TEST CONDITION: INPUT VOLTAGE ——— OPERATION VOLTAGE
TEMPERATURE — — ROOM TEMPERATURE
HUMIDITY ——— ——— 65%RH

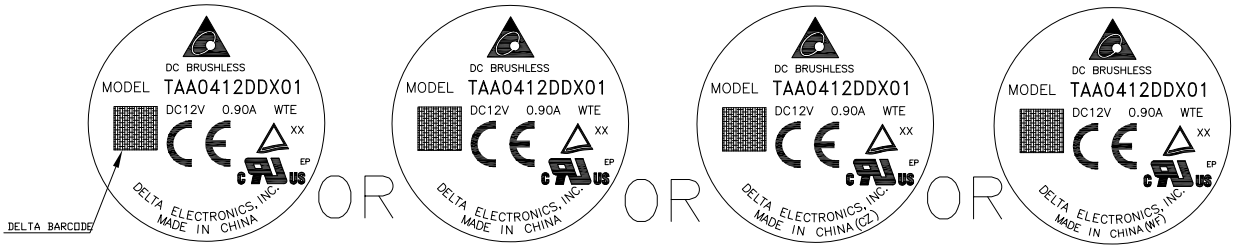
A00

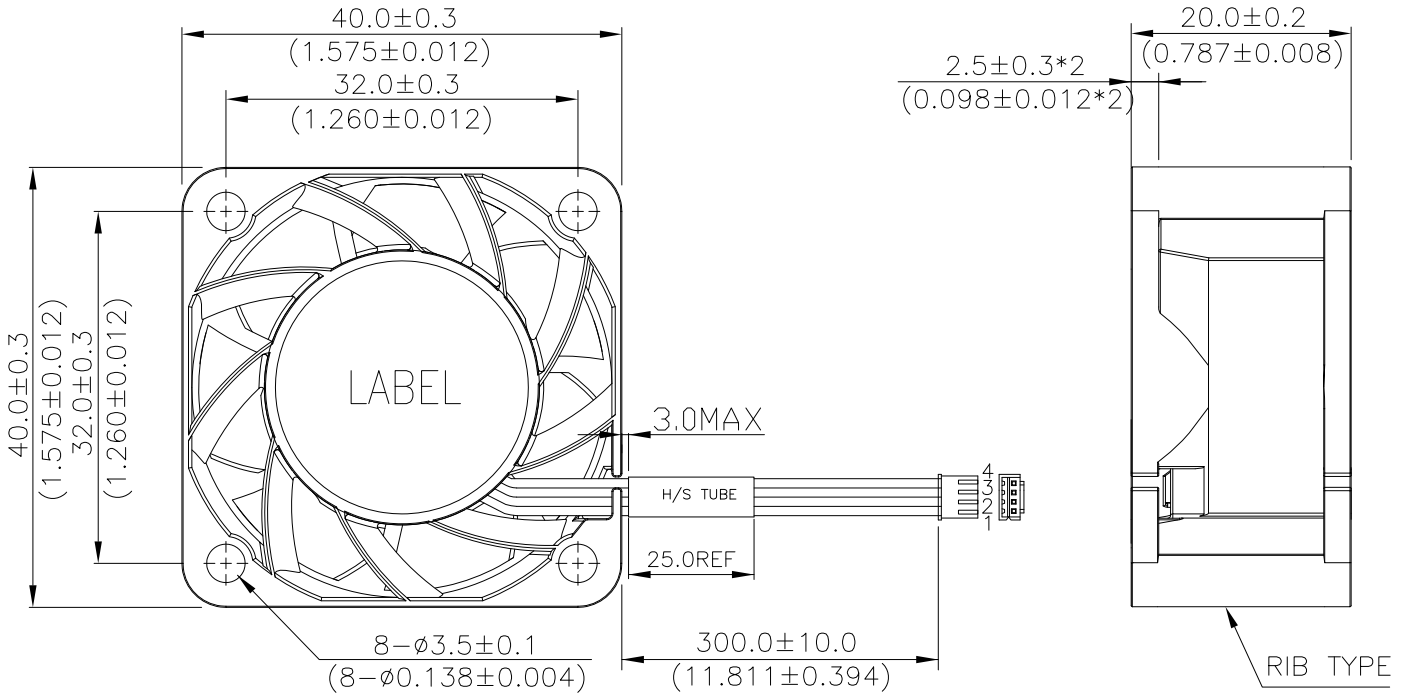
PART NO:

DELTA MODEL: TAA0412DDX01WTE

9. DIMENSION DRAWING:

LABEL:





UNIT: mm(INCH)

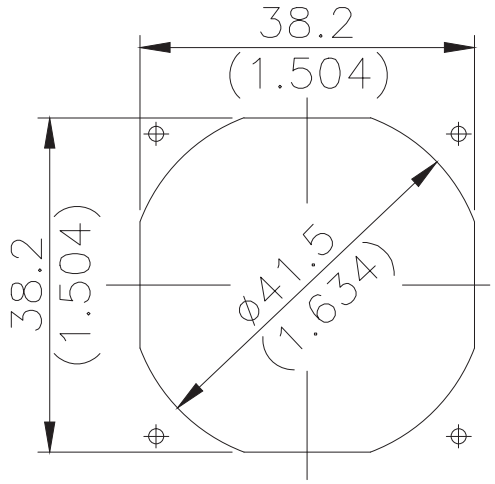
NOTES:

1. CABLE WIRE UL:10368 AWG#28
   - PIN 1: RED WIRE----(+)
   - PIN 2: YELLOE WIRE----(PWM)
   - PIN 3: BLUE WIRE----(FOO)
   - PIN 4: BLACK WIRE----(-)
2. HOUSING: HST H2500J-04 OR JST XHP-4
3. TERMINAL: HST T2500J OR JST SXH-001T-P0.6
4. H/S TUBE: 125°C 600V BLACK
5. THIS PRODUCT IS RoHS COMPLIANT

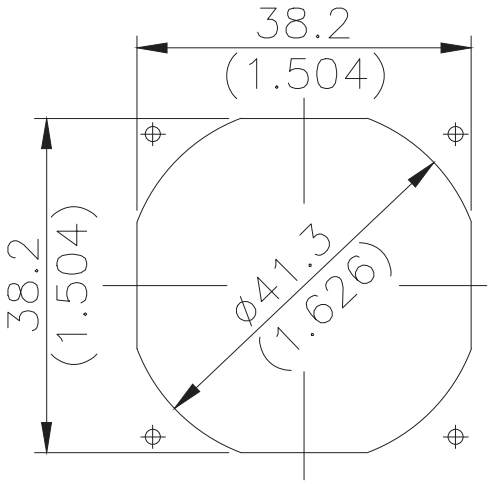
PART NO:

DELTA MODEL: TAA0412DDX01WTE

10. MOUNTING PANEL CUTOUT:

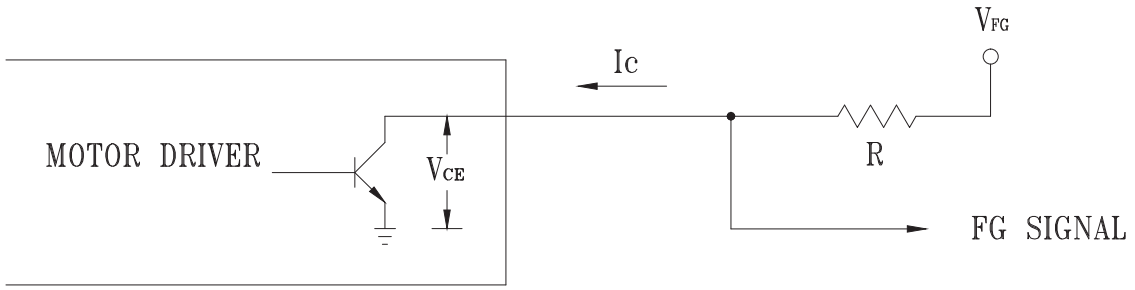


OUTLET SIDE



INLET SIDE

11. FREQUENCY GENERATOR (FG) SIGNAL:



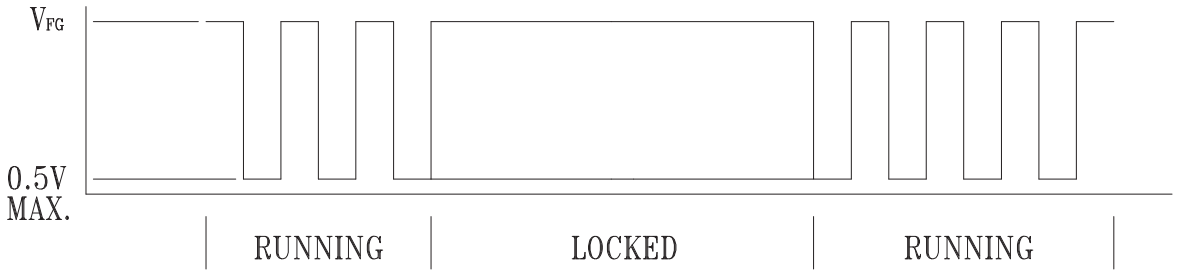
CAUTION:
THE LEAD WIRE OF FG SIGNAL CAN NOT TOUCH
THE LEAD WIRE OF POSITIVE OR NEGATIVE.

2. SPECIFICATION:

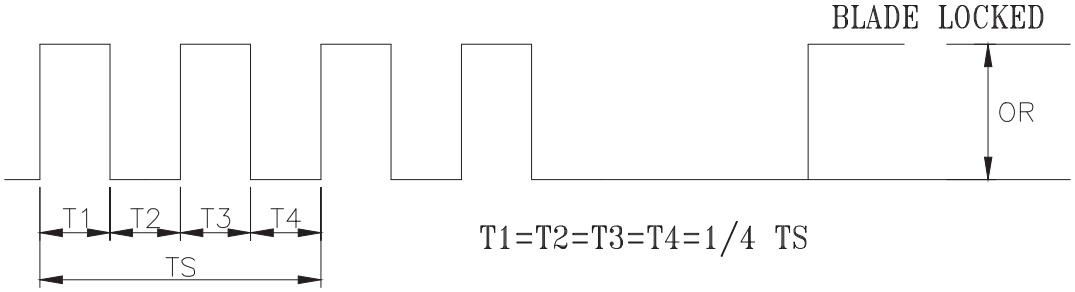
V_{CE} (sat)=0.5V MAX. V_{FG} =15.0 VDC MAX.

I_C = 5mA MAX. $R \geq V_{FG}/I_C$

3. FREQUENCY GENERATOR WAVEFORM:



2 PULSES PER ROTATION

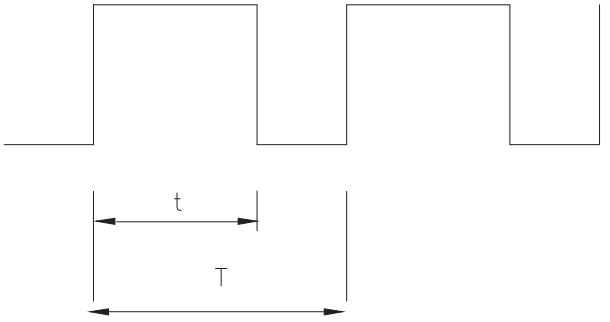


T1=T2=T3=T4=1/4 TS

N=R.P.M
TS=60/N(SEC)
*VOLTAGE LEVEL AFTER BLADE LOCKED

12. PWM CONTROL SIGNAL: (AT 12VDC ; 25 DEGREE C)

SIGNAL VOLTAGE RANGE: −0.8~20.0 VDC

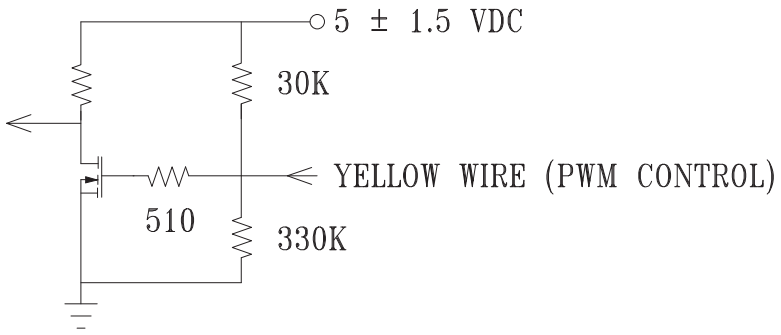


- THE FREQUENCY FOR CONTROL SIGNAL OF THE FAN SHALL BE ABLE TO ACCEPT AT 600HZ~30KHZ.
- THE PREFERRED OPERATING POINT FOR THE FAN IS 1K HZ.
- AT 100% DUTY CYCLE,THE ROTOR WILL SPIN AT MAXIMUM SPEED.
- AT 0 % DUTY CYCLE,THE ROTOR WILL STOP SPINNING.
- WITH CONTROL SIGNAL LEAD DISCONNECTED,THE FAN WILL SPIN AT MAXIMUM SPEED.
- AT 12VDC 1KHZ 20% DUTY CYCLE ,THE FAN WILL BE ABLE TO START FROM A DEAD STOP .

13. SPEED VS PWM CONTROL SIGNAL: (AT 12VDC & F=1KHZ & TEMP=25DEG.C)

DUTY CYCLE (%)	SPEED R.P.M. (REF.)	CURRENT (A) TYP.
100	18000±10%	0.55
50	9000±10%	0.13
0	0	0.02

14. PWM CONTROL LEAD WIRE INPUT IMPEDANCE:



Application Notice

1. Delta will not guarantee the performance of the products if the application condition falls outside the parameters set forth in the specification.
2. A written request should be submitted to Delta prior to approval if deviation from this specification is required.
3. Please exercise caution when handling fans. Damage may be caused when pressure is applied to the impeller, if the fans are handled by the lead wires, or if the fan was hard-dropped to the production floor.
4. Except as pertains to some special designs, there is no guarantee that the products will be free from any such safety problems or failures as caused by the introduction of powder, droplets of water or encroachment of insect into the hub.
5. The above-mentioned conditions are representative of some unique examples and viewed as the first point of reference prior to all other information.
6. It is very important to establish the correct polarity before connecting the fan to the power source. Positive (+) and Negative (-). Damage may be caused to the fans if connection is with reverse polarity, if there is no foolproof method to protect against such error specifically mentioned in this spec.
7. Delta fans without special protection are not suitable where any corrosive fluids are introduced to their environment.
8. Please ensure all fans are stored according to the storage temperature limits specified. Do not store fans in a high humidity environment. We highly recommend performance testing is conducted before shipping, if the fans have been stored over 6 months.
9. Not all fans are provided with the Lock Rotor Protection feature. If you impair the rotation of the impeller for the fans that do not have this function, the performance of those fans will lead to failure.
10. Please be cautious when mounting the fan. Incorrect mounting of fans may cause excess resonance, vibration and subsequent noise.
11. It is important to consider safety when testing the fans. A suitable fan guard should be fitted to the fan to guard against any potential for personal injury.
12. Except where specifically stated, all tests are carried out at room (ambient) temperature and relative humidity conditions of 25°C, 65% RH. The test value is only for fan performance itself.
13. Be certain to connect an " 4.7μF or greater" capacitor to the fan externally when the application calls for using multiple fans in parallel, to avoid any unstable power.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for AC Fans ***category:***

Click to view products by Delta ***manufacturer:***

Other Similar products are found below :

8850A A2D200-AA04-41 A2E165-AA17-01 AC430019H-012 144LS-2282-010 1500-FAN-01 25.350.5253.0 S2E250-AL06-70 A2D210-AB10-05 A2D240-AA02-02 23241-3 25.345.5353.0 281DY-1LP14-000B 344DY-1LP11-000 39.703.0253.0 USTF1203224VHW 3915100996-SA3 3G2C7MC224 W2D200-HH04-07 W2S130-AA03-43 S2E250-BB13-22 8856N A2E170-AF23-11 W4S250-CA20-56 W2S130-AB03-09 5900 C45-A7 TAC12025230MT 8550A 8560N AD0405HB-G73(9T) CENT-2000-FFTM CENT-2000-RFTM W2D200-CA04-52 W2S130-AB25-10 A4E330-AB18-09 W2E250-DB05-52 W4E315-CS22-70 W2E300-CP02-75 S4S250-BA02-20 S2D300-BP02-37 W2S130-AB25-24 W2D250-GA08-08 A2E200-AH38-70 TAC8025115HW F1238H24BT-FHR S2D300-CP02-34 4118N/2H8PU-011 RLF100-1114-060 AD3512MB-G5B