

# DEFANDAIR SERIES.



LAMINAR  
FLOW TECHNOLOGIES

info@laminarft.com | laminarft.com

Part number: DF2MK-BX01 (see section 6)

Size: 55x37mm

Applications: Navy | Defense | Aerospace

Storage temperature: -54c to +85c

Operating temperature: -40c to +85c

Weight: 99gr.

Material: Aluminum



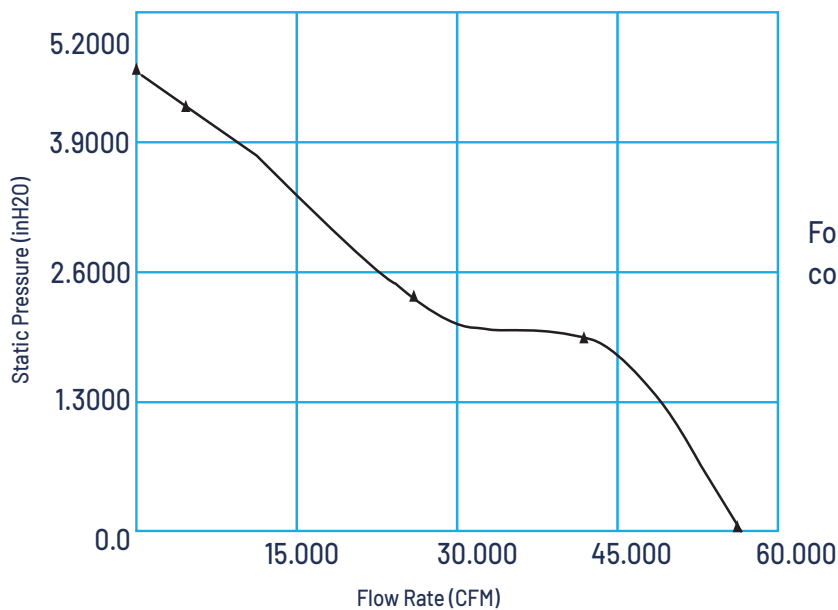
## Data Table (section 1)

| Part number | Speed (RPM) | Nominal (V) | Voltage range | Max air flow cfm | Max Pressure InchH2O | Current (A) | Power (w) | Noise (dBA) | Life L10 @40C(hours) | Curve |
|-------------|-------------|-------------|---------------|------------------|----------------------|-------------|-----------|-------------|----------------------|-------|
| DF2MK-BD01  | 23000       | 28 VDC      | 12-32 VDC     | 57.18            | 4.52                 | 1.1         | 30.80     | 67          | 70K                  | K     |

\*All fans are supplied with PWM and Tacho

## Performance Curve (section 2)

Curve K



For additional curves in different PWM inputs Pls. consult factory

## Mechanical Data (section 3)

Wires coding :

Yellow (+)

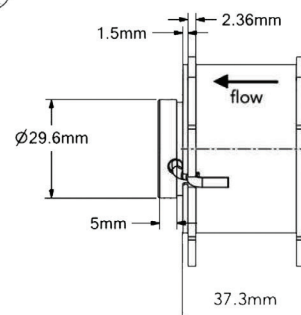
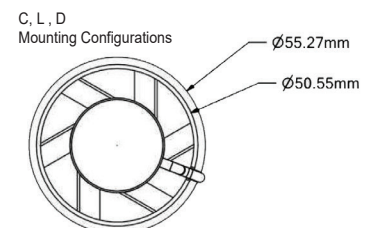
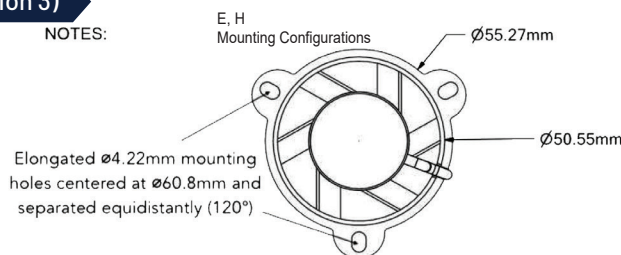
Black (-)

Green (tachometer)

Blue (PWM)

Wire: # 24AWG

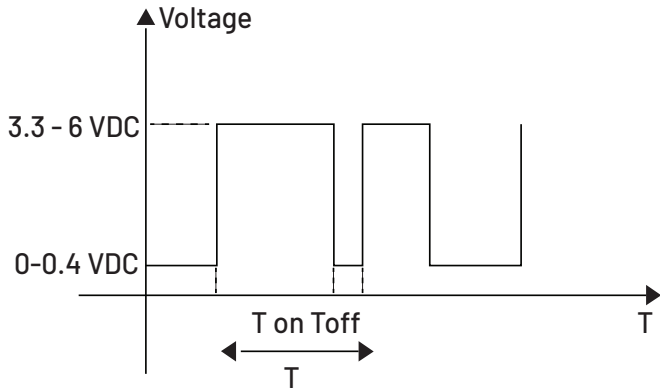
NOTES:



MOUNTING RISING CLAMP AVAILABLE ANY SIDE OR BOTH  
PLEASE CONSULT FACTORY

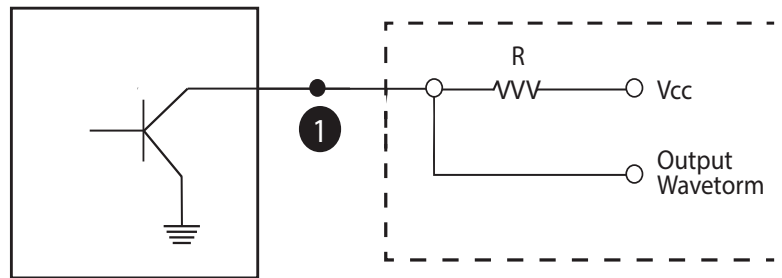
## Electrical Connection and Data (section 4)

### PWM Control Input (w)



PWM Frequency: 18 KHz To 30 KHz      Duty Cycle= $T_{on}/T \times 100\%$   
Range: 0-100%

### TACHO



please select "R" value so at  
point "1" will see Max 1~5mA  
2 pulses per rotation

## Environmental Specs (section 5)

THIS FAN IS DESIGNED, TESTED AND MEETS THE FOLLOWING REQUIREMENTS OF MIL-STD-810H

Altitude: MIL-STD-810H 500 P-I , P-II  
High Temperature: MIL-STD-810H 501 P-I , P-II  
Low Temperature: MIL-STD-810H 502 P-I , P-II  
Vibration: MIL-STD-810H 514 P-I , P-II

Shock: MIL-STD-810H 516 P-I , P-II  
Salt Equivalent : MIL-STD-810H 509  
Rain : MIL-STD-810H 506  
Humidity: MIL-STD-810H 507

## Part Number Coding (section 6)

DF2M\_\_-B\_\_01  
①      ②

①

SPEED K.....

②

Mechanical structure

C - Right end rising clamp

L - Left end rising clamp

D - Double end rising clamp

E - Right side 3 ears

H - Left side 3 ears