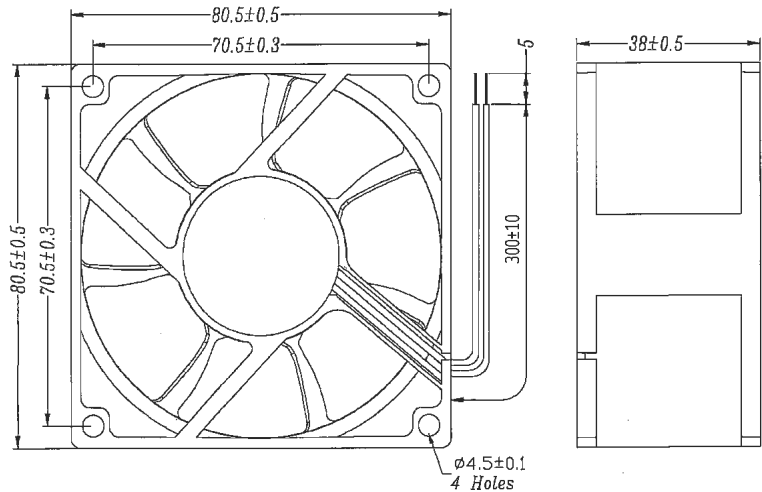


# OD8038 Series



DC Fan - 12, 24V  
80x38mm (3.15"x 1.5")



|                       |                                                 |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
|-----------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frame & Impeller      | PBT, UL94V-0 plastic                            | <b>Options</b><br>Tachometer (FG)<br>Locked Rotor Alarm (RD)<br>Thermal Control<br>48V available<br><br>Weight: ~0.22 lbs.<br><br>Life Expectancy (L10)<br>50,000 hours (40C)<br><br>m1 | <p>The graph plots Static Pressure (H<sub>2</sub>O) on the y-axis (0.00 to 0.30) against Airflow (CFM) on the x-axis (0 to 64). Four curves are shown, labeled from top to bottom: Extra High, High, Medium, and Low. The curves show that static pressure decreases as airflow increases.</p> |
| Connection            | 2x Lead wires, Red(+), Black (-)                |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Motor                 | Brushless DC, auto restart, polarity protected. |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Bearing System        | Dual ball bearing                               |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Insulation Resistance | Min. 10M at 500VDC                              |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Dielectric Strength   | 1 minute at 500 VAC, max leakage < 500 MicroAmp |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Temperature Range     | -10C ~ 70C                                      |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| Storage Temperature   | -40C ~ +80C                                     |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |

| Model Number | Speed (RPM) | Airflow (CFM) | Noise (dB) | Volts DC | Input Power (Watts) | Amps | Max. Static Pressure (H <sub>2</sub> O) |
|--------------|-------------|---------------|------------|----------|---------------------|------|-----------------------------------------|
| OD8038-12HHB | 4000        | 61            | 44         | 12       | 6.2                 | 0.52 | 0.30                                    |
| OD8038-12HB  | 3500        | 54            | 40         | 12       | 3.9                 | 0.33 | 0.23                                    |
| OD8038-12MB  | 3000        | 46            | 36         | 12       | 2.5                 | 0.21 | 0.17                                    |
| OD8038-12LB  | 2500        | 38            | 32         | 12       | 1.7                 | 0.14 | 0.12                                    |
| OD8038-24HB  | 3500        | 54            | 40         | 24       | 5.8                 | 0.14 | 0.23                                    |
| OD8038-24MB  | 3000        | 46            | 36         | 24       | 4.3                 | 0.10 | 0.17                                    |
| OD8038-24LB  | 2500        | 38            | 32         | 24       | 3.4                 | 0.08 | 0.12                                    |