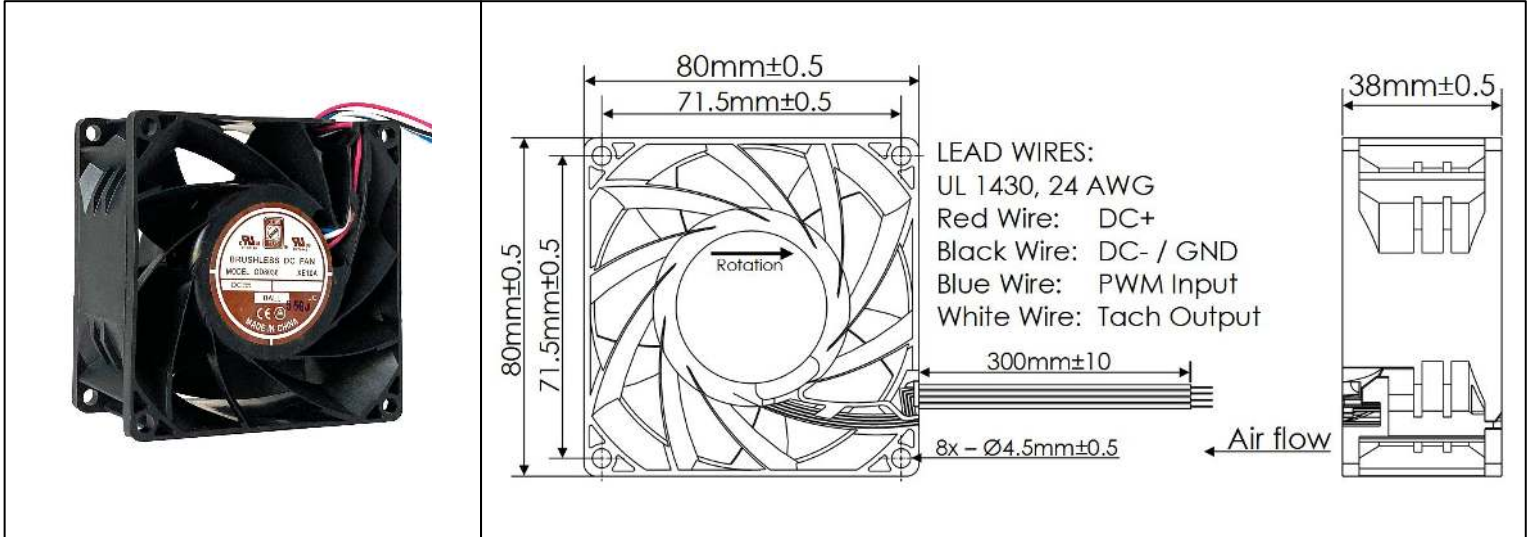


OD8038 XE Series with PWM and Tach

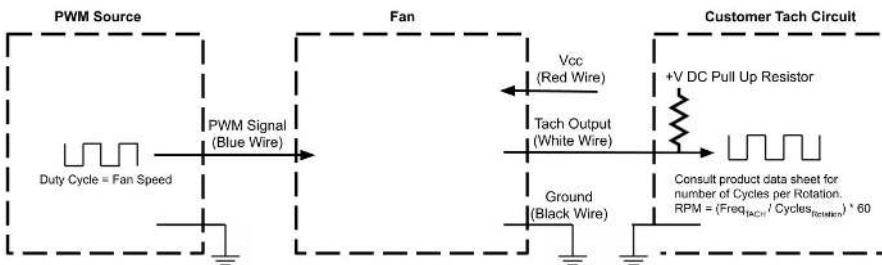


DC Fans - 12, 24V
80mm x 38mm (3.15" x 1.49")



Frame	PBT, UL94 V-0 Plastic	Operating Temperature -10°C ~ +70°C Storage Temperature -40°C ~ +70°C Life Expectancy 70,000 Hours (L10 at 40°C) Installed Options PWM Speed Control Input Tachometer Output Available Options Alarm Output IP Ratings Weight: 0.48 lbs
Impeller	PBT, UL94 V-0 Plastic	
Connection	4x Wire Leads, 24 AWG	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected	
Bearing System	Ball Bearings	
Dielectric Strength	500VDC/min, <1mA	
Insulation Resistance	≥10M Ohm @500 VDC	

Part Number	Rated Voltage (Volts DC)	Voltage Range (Volts DC)	Input Power (Watts)	Rated Current (Amps)	Rated Speed (RPM)	Max Airflow (CFM)	Noise Level (dBA)	Max Static Pressure ("H ₂ O)
OD8038-12HBXE10A	12	11 ~ 13.8	69	5.8	13250	132	73	3.4
OD8038-24HBXE10A	24	22 ~ 25	60	2.5	13250	132	73	3.4



- Tach Max Pullup Voltage: +Vcc of Fan
- Tach Max Sink Current: 5mA
- Tach Cycles Per Revolution: 2
- PWM High Voltage Max: ≤5.5V
- PWM Max Sink Current: 5mA
- PWM Frequency Range: 18KHz-30KHz
- PWM Typical Frequency: 25KHz
- PWM Maximum Duty Cycle for fan startup: 30%
- RPM at 0% Duty Cycle: 0 RPM
- RPM will be full speed if PWM input is disconnected.