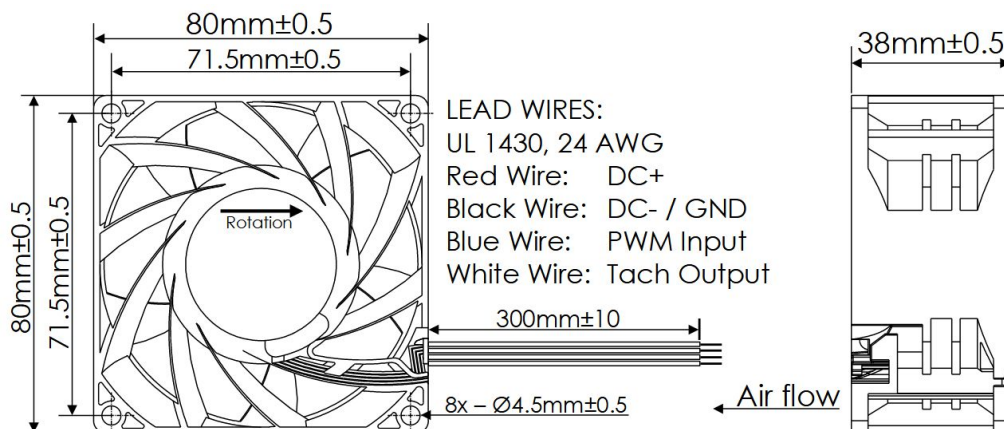


OD8038 XE Series with PWM and Tach

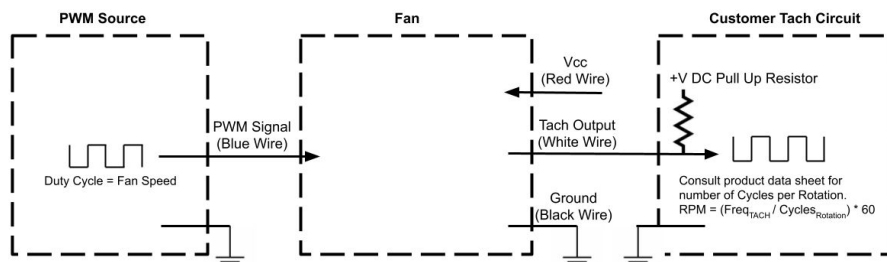


DC Fans - 12, 24, 48V
80mm x 38mm (3.15" x 1.49")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -10°C ~ +70°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -40°C ~ +70°C	
Connection	4x Wire Leads, 24 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected	<u>Installed Options</u> PWM Speed Control Input Tachometer Output	
Bearing System	Ball Bearings	<u>Available Options</u> Alarm Output IP Ratings	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.48 lbs	
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
OD8038-48HBXE10A	48	45 ~ 50	72	1.5	13250	132	73	3.4



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