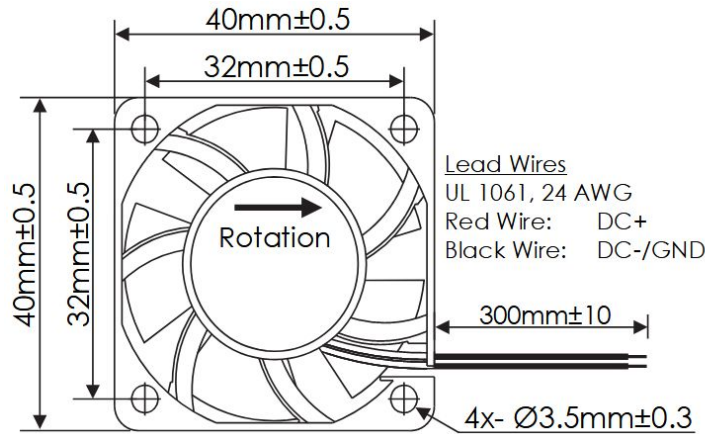


OD4028 Series



DC Fans - 12, 24, 48V
40mm x 28mm (1.58" x 1.10")



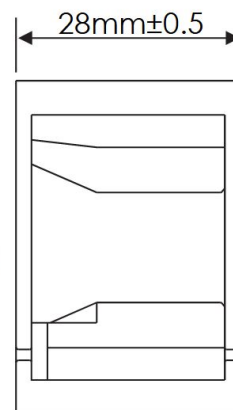
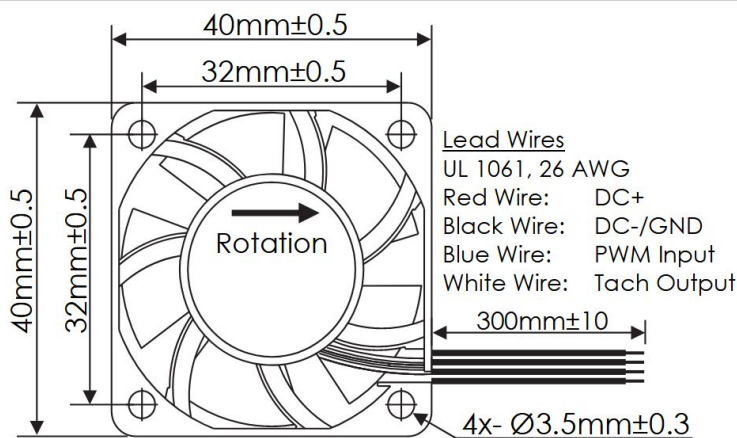
Frame & Impeller	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	Static Pressure ("H₂O") Airflow (CFM)
Connection	2x Lead Wires, 24 AWG	<u>Storage Temperature</u> -20°C ~ +75°C	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Bearing System	Ball Bearing	<u>Available Options</u> Tachometer Output Alarm Output PWM Speed Control Input 5V Available IP Ratings	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.10 lbs.	
Insulation Resistance	≥10MΩ @500V DC		

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")
OD4028-12HHB	12	8 ~ 13.8	4.20	0.35	12900	24.0	54.2	1.30
OD4028-12HB	12	8 ~ 13.8	3.10	0.25	10750	19.0	51.3	0.90
OD4028-12MB	12	8 ~ 13.8	2.40	0.20	8500	12.0	37.1	0.30
OD4028-12LB	12	8 ~ 13.8	1.60	0.13	6485	9.0	29.4	0.17
OD4028-24HHB	24	14 ~ 26	4.10	0.17	12900	24.0	54.2	1.30
OD4028-24HB	24	14 ~ 26	3.40	0.14	10750	19.0	51.3	0.90
OD4028-24MB	24	14 ~ 26	2.40	0.10	8500	12.0	37.1	0.30
OD4028-24LB	24	14 ~ 26	1.70	0.06	6485	9.0	29.4	0.17
OD4028-48HHB	48	34 ~ 52	7.20	0.15	12900	24.0	54.2	1.30
OD4028-48HB	48	34 ~ 52	4.80	0.10	10750	19.0	51.3	0.90
OD4028-48MB	48	34 ~ 52	3.90	0.08	8500	12.0	37.1	0.30
OD4028-48LB	48	34 ~ 52	2.40	0.05	6485	9.0	29.4	0.17

OD4028 Series With PWM and Tach

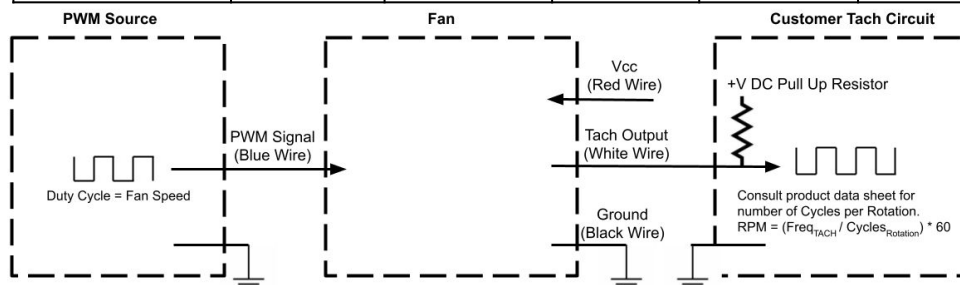


DC Fans - 12, 24, 48V
40mm x 28mm (1.58" x 1.10")



Frame & Impeller	PBT, UL94 V-0 Plastic	Operating Temperature -20°C ~ +65°C Storage Temperature -20°C ~ +75°C Life Expectancy 70,000 Hours (L10 at 40°C)	 Static Pressure ("H ₂ O") vs Airflow (CFM)
Connection	4x Lead Wires, 26 AWG	Installed Options PWM Speed Control Input Open Collector Tach Output	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Polarity Protected, Electronically Protected	Available Options 5V TTL Tach Output	
Bearing System	Ball Bearing	Weight: 0.10 lbs.	
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10MΩ @500V DC		

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")
OD4028-12HHB10A	12	8 ~ 13.8	4.20	0.35	12900	24.0	54.2	1.30
OD4028-12HB10A	12	8 ~ 13.8	3.10	0.25	10750	19.0	51.3	0.90
OD4028-12MB10A	12	8 ~ 13.8	2.40	0.20	8500	12.0	37.1	0.30
OD4028-12LB10A	12	8 ~ 13.8	1.60	0.13	6485	9.0	29.4	0.17
OD4028-24HHB10A	24	14 ~ 26	4.10	0.17	12900	24.0	54.2	1.30
OD4028-24HB10A	24	14 ~ 26	3.40	0.14	10750	19.0	51.3	0.90
OD4028-24MB10A	24	14 ~ 26	2.40	0.10	8500	12.0	37.1	0.30
OD4028-24LB10A	24	14 ~ 26	1.70	0.06	6485	9.0	29.4	0.17
OD4028-48HHB10A	48	34 ~ 52	7.20	0.15	12900	24.0	54.2	1.30
OD4028-48HB10A	48	34 ~ 52	4.80	0.10	10750	19.0	51.3	0.90
OD4028-48MB10A	48	34 ~ 52	3.90	0.08	8500	12.0	37.1	0.30
OD4028-48LB10A	48	34 ~ 52	2.40	0.05	6485	9.0	29.4	0.17



PWM Max High Voltage: 5V
PWM Max Sink Current: 5mA
PWM Frequency Range: 1KHz-100KHz
PWM Typical Frequency: 25KHz
RPM at 0% Duty Cycle: 0 RPM
RPM will be full speed if PWM input is disconnected.
Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 2