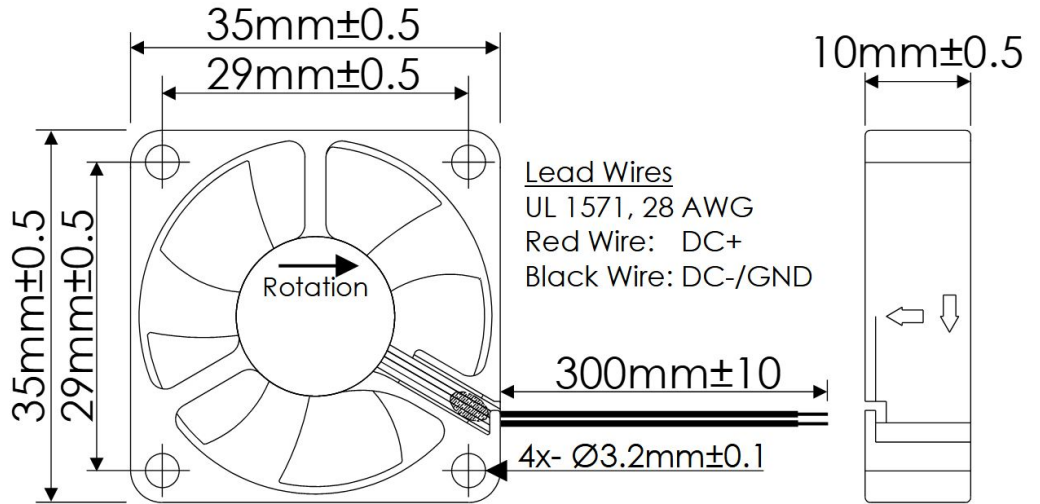


OD3510 5 Volt Series



DC Fans - 5V
35mm x 10mm (1.38" x 0.40")



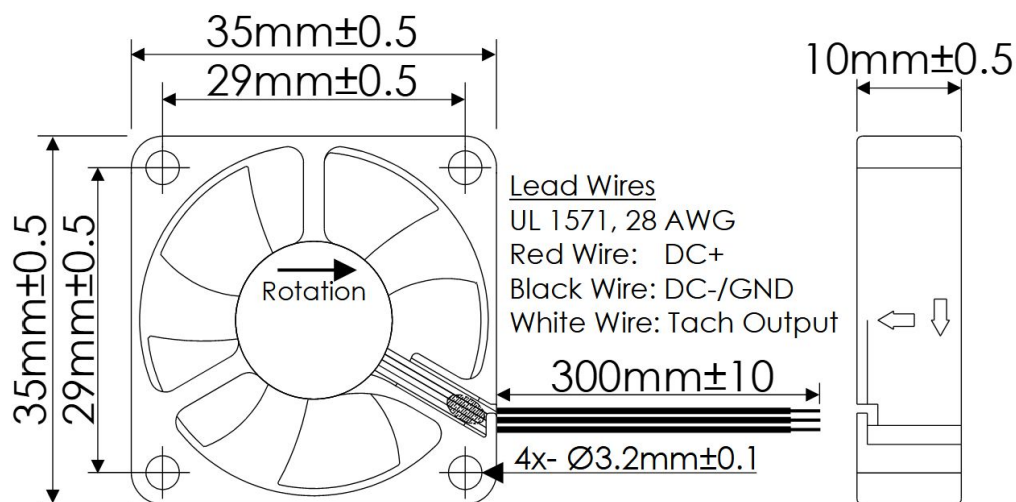
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	2x Wire Leads, 28 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected	<u>Available Options</u> PWM Speed Control Input 0-10V Speed Control Input Tachometer Output Alarm Output IP Ratings Other Speeds	
Bearing System	Ball Bearings		
Dielectric Strength	500VDC/min, <1mA		
Insulation Resistance	≥10M Ohm @ 500 VDC	Weight: 0.02 lbs.	

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)
OD3510-05HB	5	4.5 ~ 5.5	1.00	0.20	9400	7.2	38.0	0.18
OD3510-05MB	5	4.5 ~ 5.5	0.65	0.13	7900	5.1	34.1	0.13
OD3510-05LLB	5	4.5 ~ 5.5	0.30	0.06	4500	2.9	20.5	0.04

OD3510 5 Volt Series with Tachometer

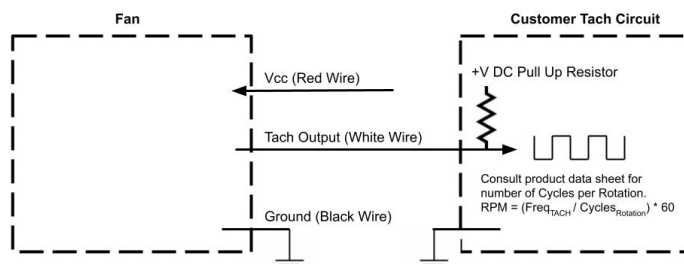


DC Fans - 5V
35mm x 10mm (1.38" x 0.40")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	Static Pressure ("H₂O") Airflow (CFM)
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	3x Wire Leads, 28 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected	<u>Installed Options</u> Open Collector Tach Output	
Bearing System	Ball Bearings	<u>Available Options</u> 5V TTL Tachometer	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.02 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)
OD3510-05HB01A	5	4.5 ~ 5.5	1.00	0.20	9400	7.2	38.0	0.18
OD3510-05MB01A	5	4.5 ~ 5.5	0.65	0.13	7900	5.1	34.1	0.13
OD3510-05LLB01A	5	4.5 ~ 5.5	0.30	0.06	4500	2.9	20.5	0.04

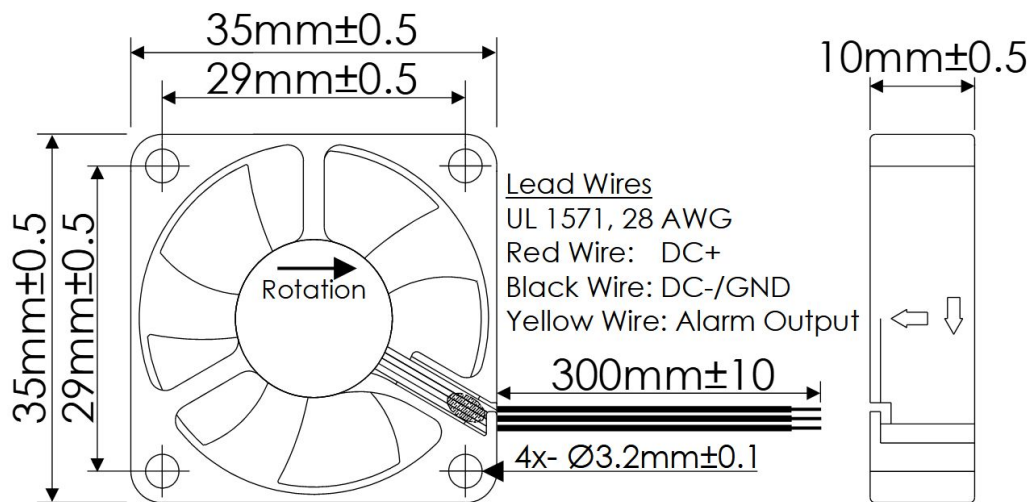


Tach Max Pullup Voltage: Fan Vcc
Tach Max Sink Current: 5mA
Tach Cycles per Rotation: 4

OD3510 5 Volt Series with Alarm

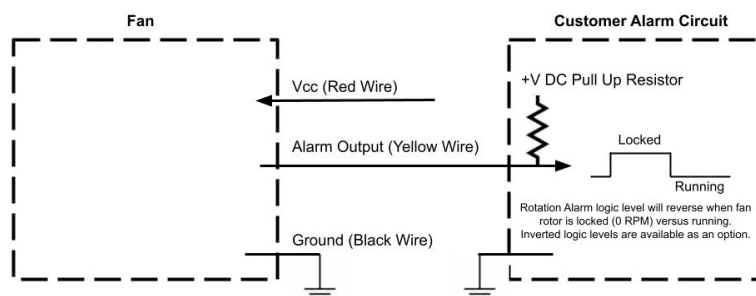


DC Fans - 5V
35mm x 10mm (1.38" x 0.40")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	3x Wire Leads, 28 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected	<u>Installed Options</u> Open Collector Alarm Output	
Bearing System	Ball Bearings	<u>Available Options</u> 5V TTL Alarm Inverted Alarm Logic	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.02 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)
OD3510-05HB02A	5	4.5 ~ 5.5	1.00	0.20	9400	7.2	38.0	0.18
OD3510-05MB02A	5	4.5 ~ 5.5	0.65	0.13	7900	5.1	34.1	0.13
OD3510-05LLB02A	5	4.5 ~ 5.5	0.30	0.06	4500	2.9	20.5	0.04

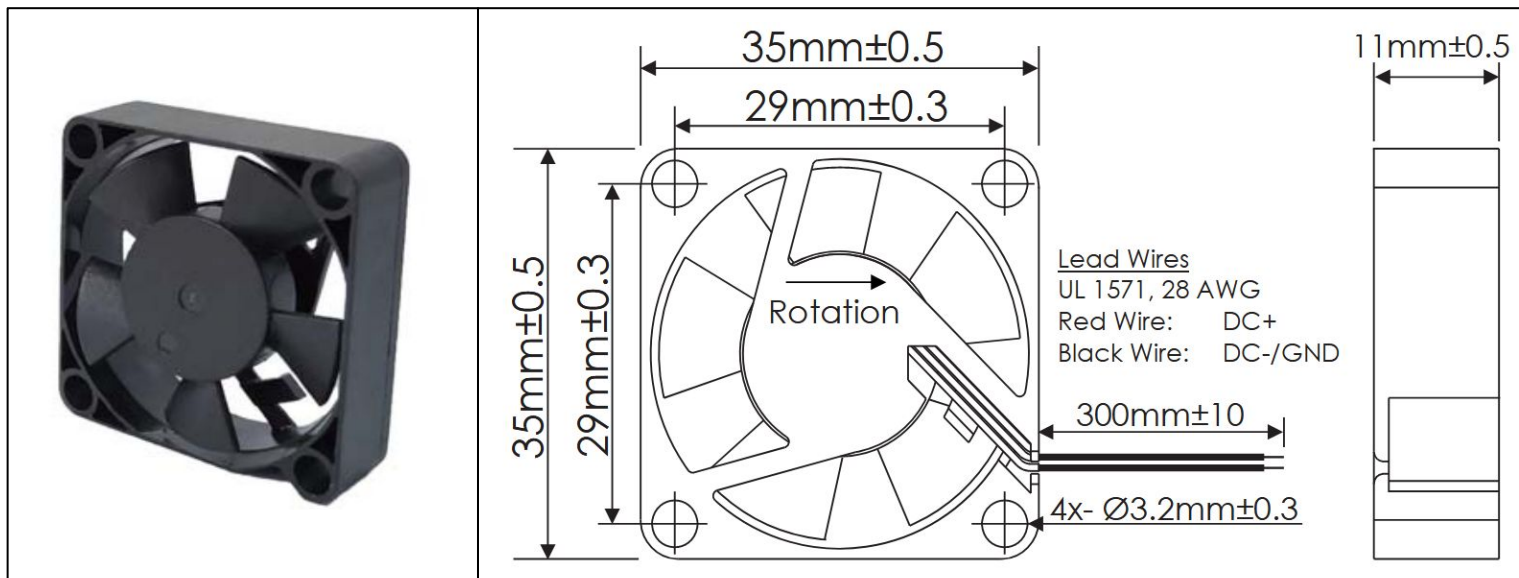


Alarm Max Pullup Voltage: Fan Vcc
Alarm Max Sink Current: 5mA
Alarm Active Logic State: HIGH

OD3510 12 Volt Series



DC Fans - 12V
35mm x 11mm (1.38" x 0.43")



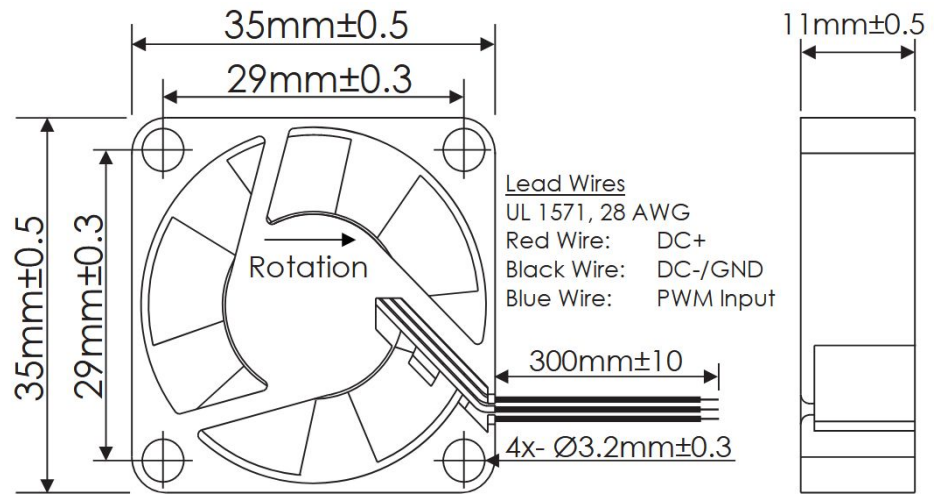
Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	2x Wire Leads, 28 AWG	<u>Life Expectancy</u> 70,000 Hours (L10 at 40°C)	
Motor	Brushless DC, Auto Cutoff, Auto Restart, Electronically Protected, Polarity Protected	<u>Available Options</u> PWM Speed Control Input Tachometer Output Alarm Output IP Ratings Other Speeds	
Bearing System	Ball Bearings	Weight: 0.03 lbs.	
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)
OD3510-12HB	12	11 ~ 13.8	1.44	0.12	8950	6.2	28.4	0.22
OD3510-12MB	12	11 ~ 13.8	1.32	0.11	7925	5.4	25.2	0.18
OD3510-12LB	12	11 ~ 13.8	0.96	0.08	5975	3.1	20.1	0.10

OD3510 12 Volt Series with PWM Speed Control

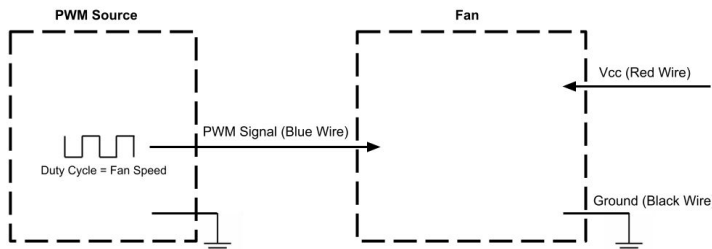


DC Fans - 12V
35mm x 11mm (1.38" x 0.43")



Frame	PBT, UL94 V-0 Plastic	<u>Operating Temperature</u> -20°C ~ +65°C	
Impeller	PBT, UL94 V-0 Plastic	<u>Storage Temperature</u> -20°C ~ +75°C	
Connection	3x Wire Leads, 28 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	
Bearing System	Ball Bearings	<u>Available Options</u> IP Ratings Other Speeds	
Dielectric Strength	500VDC/min, <1mA	Weight: 0.03 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)
OD3510-12HB05	12	11 ~ 13.8	1.44	0.12	8950	6.2	28.4	0.22
OD3510-12MB05	12	11 ~ 13.8	1.32	0.11	7925	5.4	25.2	0.18
OD3510-12LB05	12	11 ~ 13.8	0.96	0.08	5975	3.1	20.1	0.10



PWM Maximum High Voltage: 5V
 PWM Minimum High Voltage: >2.7V
 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.
 RPM will be 0 RPM if PWM input is grounded.