



Mechanical Characteristic

Motor Design	: 2 phases, 4-poles Brushless DC motor
Bearing System	: Lubricated sleeve bearing system
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Mounting Holes	: Diameter 4.3mm in 8 holes
Weight	: 20g

Electric Characteristic

Rated Voltage	: 12V DC
Rated Current	: 120mA / Max. 138mA
Rated Power Consumption	: 1.44 Watts / Max. 1.66 Watts
Operating Voltage Range	: 4.5V DC to 13.8V DC
Starting Voltage	: 4.5V DC (25°C power On/Off)
Operating Temperature Range	: -10°C to +70°C
Storage Temperature Range	: -40°C to +70°C

Performance Characteristic

Rated Speed	: 4300 RPM $\pm$ 15% at rated voltage
Air Flow	: 11 CFM
Static Pressure	: 0.11 Inch - H ₂ O
Acoustic Noise	: 26dB(A)
Insulation Class	: UL Class A
Insulation Resistance	
Plastic Housing	: 500M Ω at 500V DC between internal stator and lead wire (+)
Dielectric Strength	: Applied AC 500V for one minute or AC 600V for 2 Seconds between housing and lead wire (+)
Life Expectancy	: 35,000 Hours at 40°C, 65% humidity, 90% CL
Protection	: Automatic Restart
	Note: In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released.
	Polarity Protection

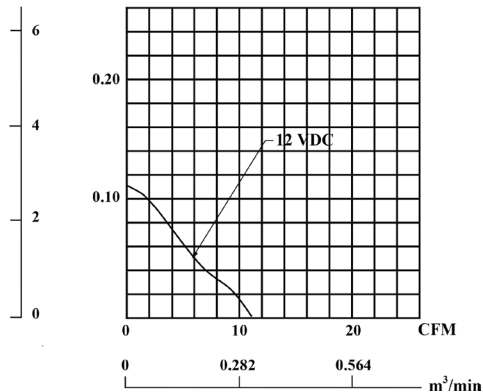
Axial Fan



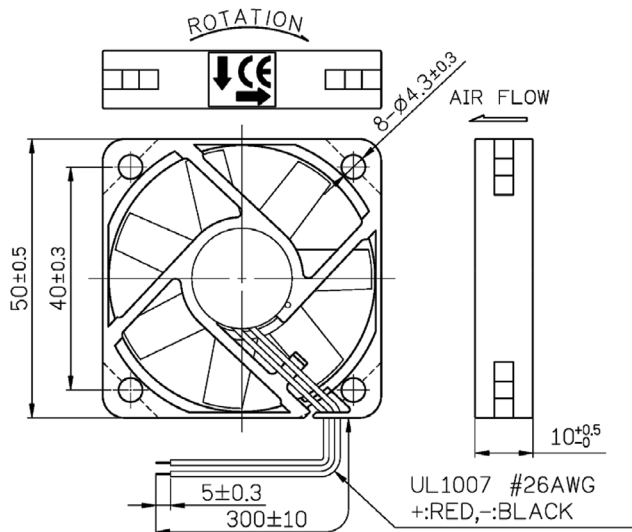
Performance Curves

STATIC
PRESSURE

mm-H₂O Inch-H₂O



Diagram



Dimensions : Millimetres

Part Number Table

Description	Part Number
Axial Fan, Brushless Motor, 12V, 50mm	MC36261

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