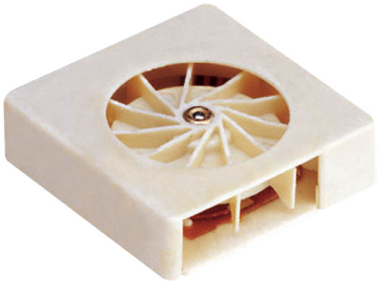
DC Brushless Blower

RoHS Compliant



Specifications:

Rated voltage	3V DC
Operating Voltage Range	2V DC to 3.5V DC
Starting Voltage	2V DC (25°C power on/off)
Rated Speed	15,500 RPM ±30%
Air Delivery	2.67 L/min
Static Pressure	22.96 Pa
Rated Current	36mA
Rated Power	0.1 Watts
Noise Level	18dB(A) @ 1M 26dB(A) @ 0.3M
Direction of Rotation	Counter-clockwise viewed from front of fan blade
Operating Temperature	-10°C to +70°C
Storage Temperature	-40°C to +70°C
Bearing System	Vapo Bearing System
Weight	0.89g
Protection	*Automatic Restart
	Polarity Protection

*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.

Characteristics:

Motor design	Single phase, 6-poles Brushless DC motor
Insulation Resistance	More than 20MΩ between internal stator and lead wire(+) measured at DC 100V.
Dimensions	12mm × 12mm × 3mm
Dielectric Strength	Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire(+)
Noise Level	Measured in a semi-anechoic chamber with background noise level below 15dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake.
Input Power, Current & Speed	Measured after continuous 10 minute operation at rated voltage in clean air, and at ambient temperature of 25°C.
Tolerance	+20% / -30% on rated power and current.
Air Performance	Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.

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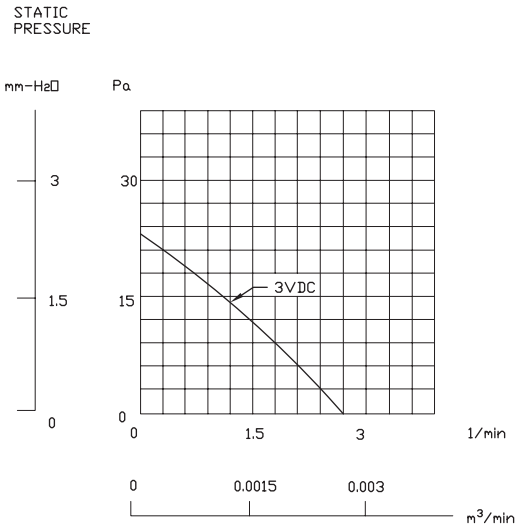
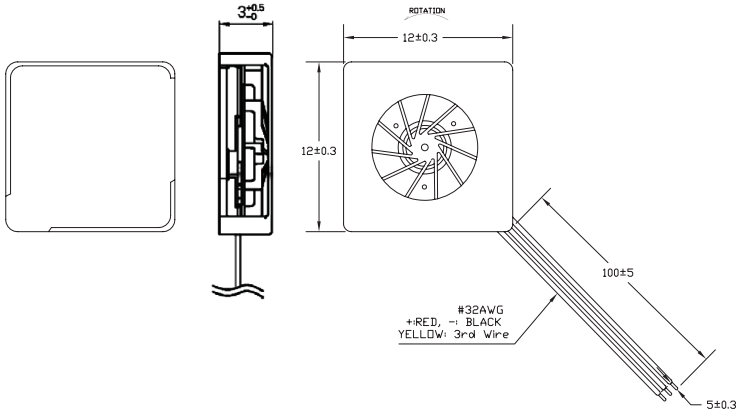
Performance Curves



Material:

Frame	: Thermoplastic LCP
Impeller	: Thermoplastic LCP
Lead Wire	: 32 AWG, +Red, -Black 32 AWG, Yellow, 3rd Wire

Dimensions



Part Number Table

Description	Part Number
DC Brushless Blower	MC34109