

DC Brushless Fan



**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 | : 14,500 RPM \pm 30% |
| Air Delivery | : 8.75 L/min |
| Static Pressure | : 20.36 Pa |
| Rated Current | : 36mA |
| Rated Power | : 0.1 Watts |
| Noise Level | : 19.3dB(A) @ 1M 30dB(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 |
| Size | : 15mm (H) \times 15mm (W) \times 3mm (D) |
| Weight | : 1.17g |
| Protection | : Automatic Restart Capability |

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

Characteristics:

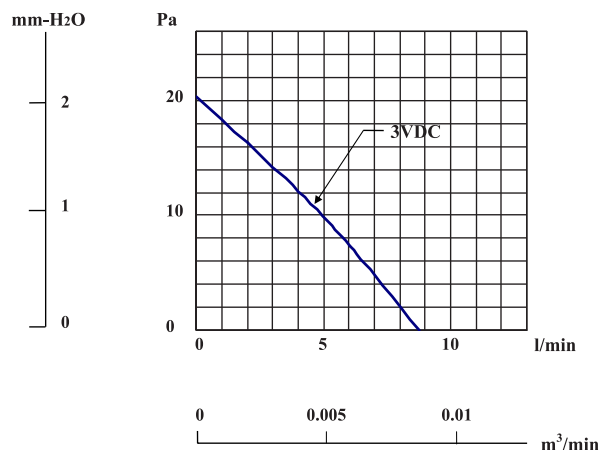
| | |
|------------------------------|---|
| Motor Design | : Single phase, 6-poles Brushless DC motor |
| Insulation Resistance | : More than 20M Ω between internal stator and lead wire(+) measured at DC 100V |
| Dielectric Strength | : Applied AC 500V for one minute or AC 600V for 2 seconds between 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

Static Pressure

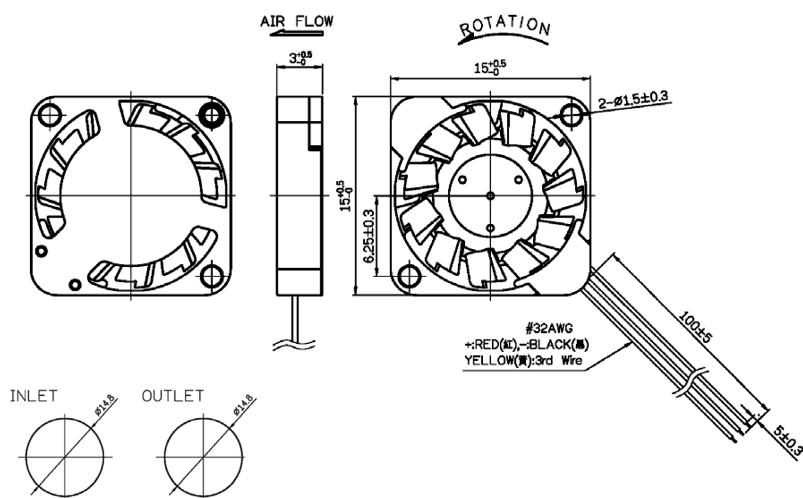


Material

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

| Screw Type (Pan Head) | Torque | Screw Spec. | |
|--------------------------|-------------------|-------------|---------------|
| | | Size | Standard |
| Machine screw | 0.3 to 0.5 Kgf-cm | M1.4 | JISB1111-1974 |

Dimensions



Best Mounting Direction: Any orientation.

Dimensions : Millimetres