

SPECIFICATION FOR APPROVAL



CUSTOMER :
DESCRIPTION : DC BRUSHLESS FAN
DIMENSIONS : 40X40X10 mm
MODEL : KDE0504PFS3-8
APPROVED NO :
APPROVED BY :
 (AUTHORIZED)

DAWN.		CHKD.		APPD.		SPEC. NO.	042358300
						ISSUE DATE	12. 16.1995
						EDITION	0
						REVISE DATE	

EME Fan & Motor
 13805 Alton Parkway, Suite B
 Irvine, CA 92718
 Telephone: (714) 583-9802 • Fax: (714) 583-9785

DC BRUSHLESS FAN

MODEL: KDE0504PFS3-8

CHARACTERISTICS

1. Input power , Current & Speed : Measured after continuous 30 minutes operation at rated voltage in clean air at ambient temperature of 25 degrees C.
2. Noise Level : Measured in an semi-anechoic chamber with background noise level below 15 dBA. The fan is running in free air with microphone at a distance of one meter from the fan intake.
3. Dielectric Strength : Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire(+)
4. Motor Design : Patented single-coil DC brushless 8 poles motor design.
5. Insulation Resistance : More than 500M ohm between internal stator and lead wire(+) measured by DC 500V.
6. Tolerances : +-15% on rated power and current
7. Motor Protection : Polarity protected & Locked rotor protected.
8. Air Performance : Measured by a double chamber. The value are recorded when the fan speed is stabilized at rated voltage.



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SPECIFICATIONS

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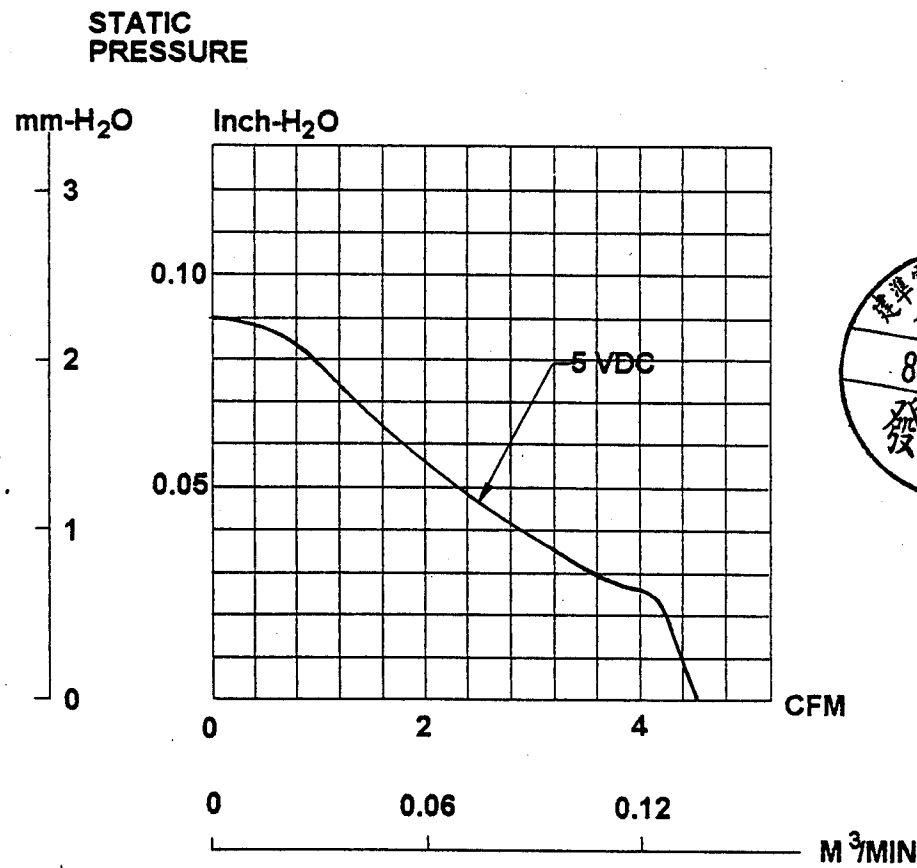
1-1. Rated Voltage	: 5 VDC
1-2. Operating Voltage Range	: 4-6 VDC
1-3. Starting Voltage	: 4 VDC
1-4. Rated Speed	: 4500 RPM $\pm$ 1000 RPM
1-5. Air Delivery	: 4.5 CFM
1-6. Static Pressure	: 0.09 Inch-H ₂ O
1-7. Rated Current	: 0.08 AMP
1-8. Rated Power	: 0.4 WATTS
1-9. Noise Level	: 22.8 dB(A)
1-10. Direction of Rotation	: Clockwies viewed from front face
1-11. Operating Temperature	: -10 to +70 Deg.C
1-12. Storage Temperature	: -40 to +80 Deg.C
1-13. Bearing System	: Lubricated sleeve bearing system
1-14. Weight	: 20g
1-15. Safety	: UL/CUR Approvals



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PERFORMANCE CURVES

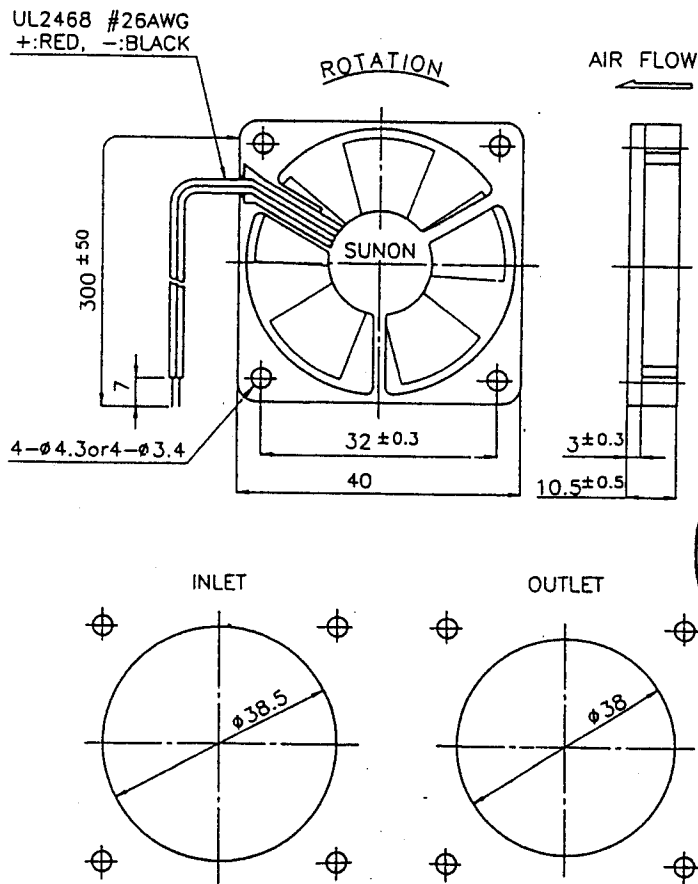


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MATERIAL

- 2-1. Frame : Thermoplastic PBT of UL 94V-0
- 2-2. Impeller : Thermoplastic PBT of UL 94V-0
- 2-3. Bobbin : Thermoplastic PBT of UL 94V-0
- 2-4. Lead Wire : UL2468, 26AWG, +:RED ; -:BLACK

DIMENSIONS



UNIT : mm

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