

SPECIFICATION FOR APPROVAL

CUSTOMER :

DESCRIPTION : DC BRUSHLESS FAN

DIMENSIONS : 40X40X10 mm

M O D E L : KDE1204PFB3-8

APPROVED NO :

APPROVED BY :
(AUTHORZIED)



DAWN.		CHKD.		APPD.		SPEC. NO.	042433300
						ISSUE DATE	01.09.1996
						EDITION	0
						REVISE DATE	

EME Fan & Motor (949) 583-9785 [Fax]
25501 Arctic Ocean Drive (949) 583-9802
Lake Forest, CA. 92630

DC BRUSHLESS FAN

MODEL:KDE1204PFB3-8

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 : $\pm 15\%$ 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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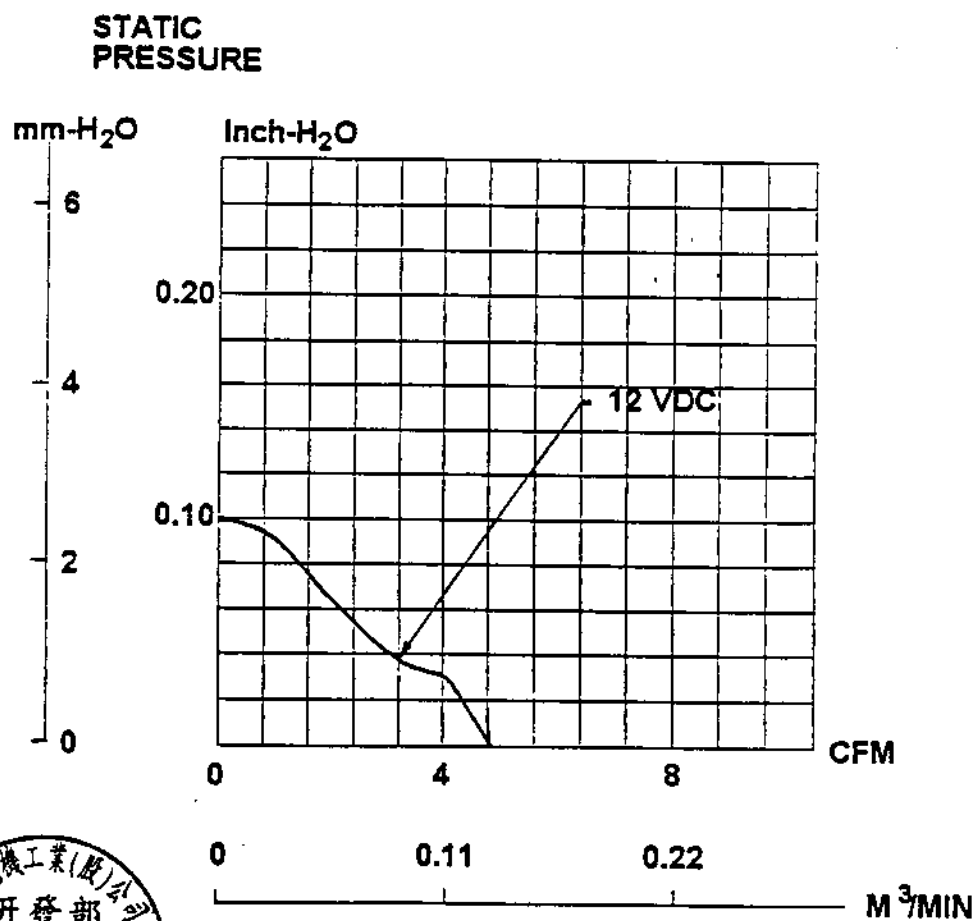
- 1-1. Rated Voltage : 12 VDC
- 1-2. Operating Voltage Range : 10.2-13.8 VDC
- 1-3. Starting Voltage : 8 VDC
- 1-4. Rated Speed : 5300 RPM $\pm$ 1000 RPM
- 1-5. Air Delivery : 4.8 CFM
- 1-6. Static Pressure : 0.10 Inch-H₂O
- 1-7. Rated Current : 0.04 AMP
- 1-8. Rated Power : 0.5 WATTS
- 1-9. Noise Level : 23.5 dB(A)
- 1-10. Direction of Rotation : Clockwies viewed from front face
- 1-11. Operating Temperature : -20 to +80 Deg.C
- 1-12. Storage Temperature : -40 to +80 Deg.C
- 1-13. Bearing System : Precise ball bearing system
- 1-14. Weight : 20g
- 1-15. Saftey : UL/CUR Approvals



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PERFORMANCE CURVES

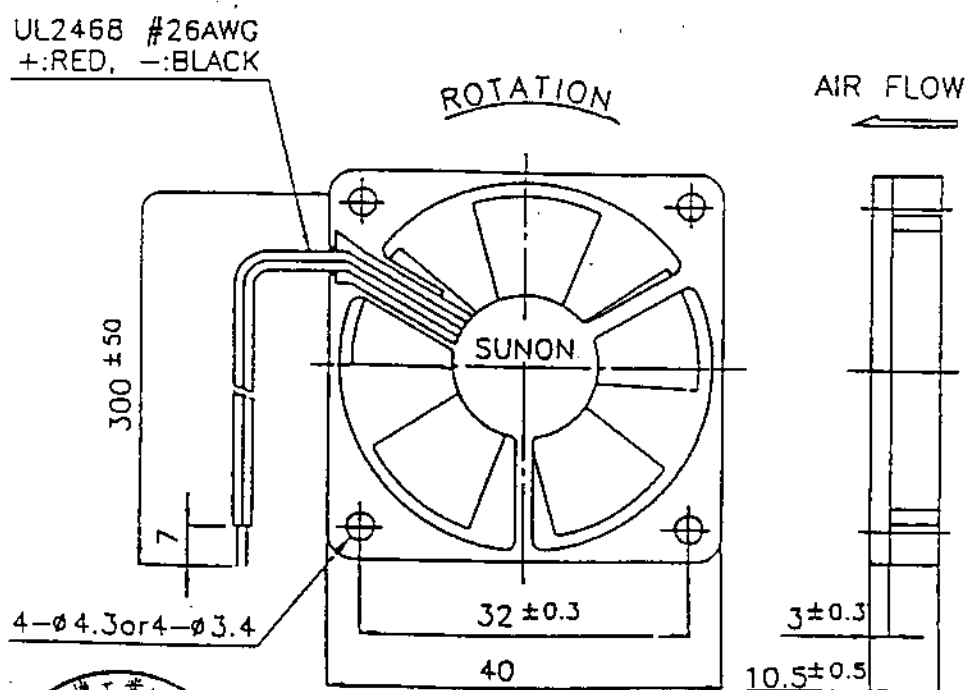


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MATERIAL

- 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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