

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : DC BRUSHLESS FAN
DIMENSIONS : 40X40X10 mm
MODEL : KDE0504PFS1-8
APPROVED NO :
APPROVED BY :
 (AUTHORZIED)



DAWN.	179	CHKD.		APPD.		SPEC. NO.	042354300
						ISSUE DATE	12. 29.1995
						EDITION	0
						REVISE DATE	

建準電機工業股份有限公司
 SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.
 12FL., 120 CHUNG CHENG 1ST RD., TEL:886-7-7163069(41 LINES)
 KAOHSIUNG, TAIWAN, R. O. C. FAX:886-7-7163086~89

DC BRUSHLESS FAN

MODEL: KDE0504PFS1-8

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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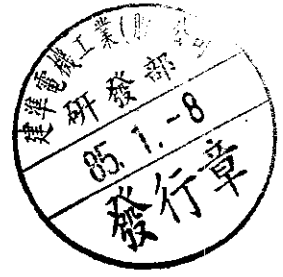
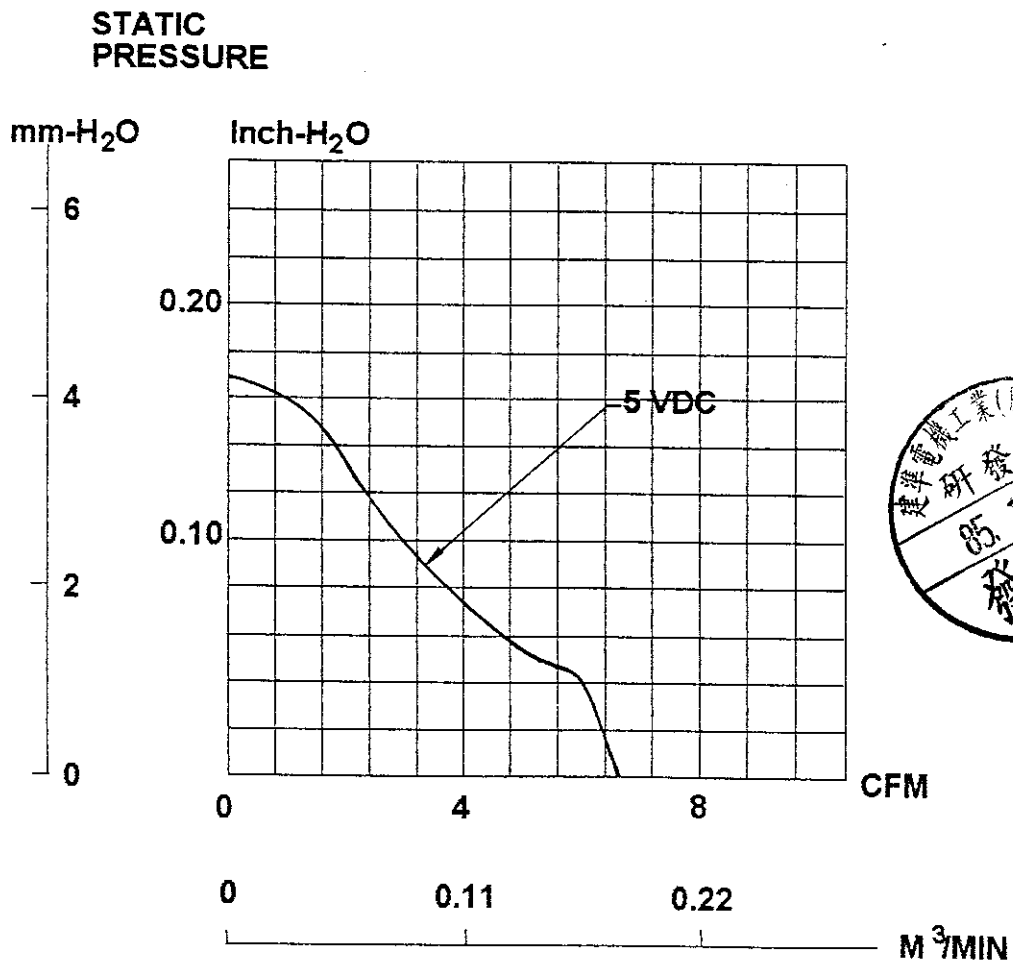
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|------------------------------|---|----------------------------------|
| 1-1. Rated Voltage | : | 5 VDC |
| 1-2. Operating Voltage Range | : | 4-6 VDC |
| 1-3. Starting Voltage | : | 4 VDC |
| 1-4. Rated Speed | : | 7000 RPM \pm 1000 RPM |
| 1-5. Air Delivery | : | 6.6 CFM |
| 1-6. Static Pressure | : | 0.17 Inch-H ₂ O |
| 1-7. Rated Current | : | 0.15 AMP |
| 1-8. Rated Power | : | 0.7 WATTS |
| 1-9. Noise Level | : | 25 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 +70 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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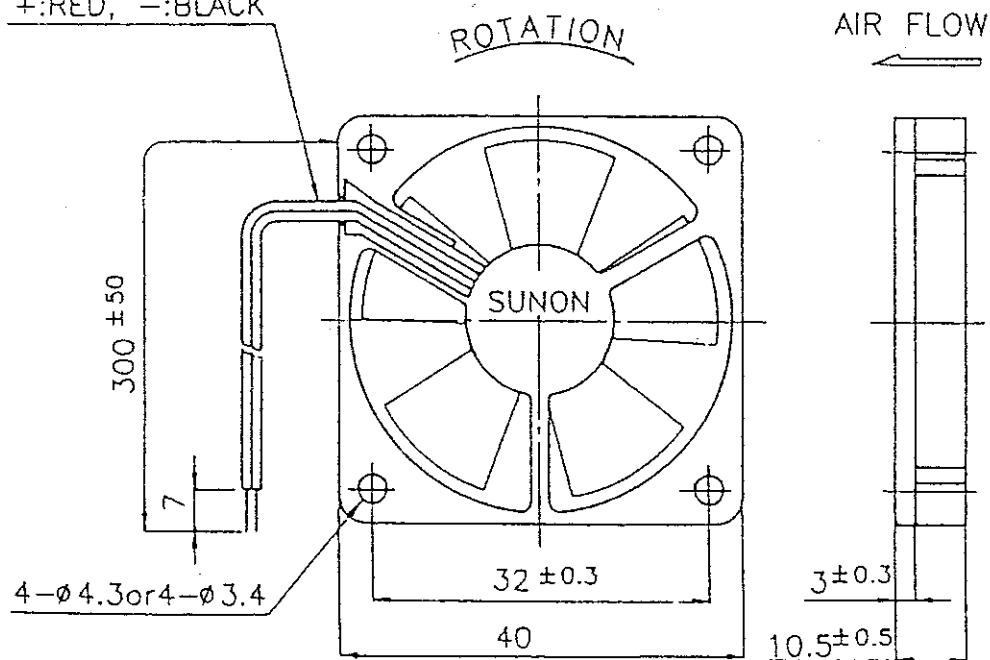
MATERIAL

- 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



UL2468 #26AWG
+:RED, -:BLACK



UNIT : mm

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