

SUNON

SPECIFICATION FOR APPROVAL

CUSTOMER :
DESCRIPTION : **DC BRUSHLESS FAN**
DIMENSIONS : **120X120X38 mm**
M O D E L : **KD1212PMB1-6A**
APPROVED NO :
APPROVED BY :
(AUTHORIZED)

DAWN.	<i>Hui</i> 8/4	CHKD.		APPD.		SPEC.NO	D120046
						ISSUE DATE	08.04.1998
						EDITION	0
						REVISE DATE	
						E.SPEC	ED13016
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: KD1212PMB1-6A

CHARACTERISTICS

- 1. Motor Design** : Patented single-coil DC brushless 6 poles motor design.
- 2. Insulation Resistance** : More than 500M ohm between internal stator and lead wire(+) measured by DC 500V.
- 3. Dielectric Strength** : Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire(+)
- 4. Noise Level** : Measured in an semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with microphone at a distance of one meter from the fan intake.
- 5. Input power, Current & Speed** : Measured after continuous 30 minutes operation at rated voltage in clean air at ambient temperature of 25 degrees C.
- 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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	P A G E	2 O F 6		

SPECIFICATIONS

MODEL: KD1212PMB1-6A

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	:	3100 RPM \pm 250 RPM
1-5. Air Delivery	:	108 CFM
1-6. Static Pressure	:	0.31 Inch-H₂O
1-7. Rated Current	:	0.57 AMP
1-8. Rated Power	:	6.8 WATTS
1-9. Noise Level	:	42 dB(A)
1-10. Direction of Rotation	:	Counter-clockwise viewed front fan blade
1-11. Operating Temperature	:	-10 to +70 Deg.C
1-12. Storage Temperature	:	-40 to +70 Deg.C
1-13. Bearing System	:	Precise ball bearing system
1-14. Weight	:	328g
1-15. Safety	:	UL/CUR/TUV Approvals
1-16. Vibration	:	Vibration of acceleration 1.5G and Frequency 5~50~5Hz is applied in the 3 directions(X,Y,Z) for 30 minutes, each Direction at the cycle of 1 minute.
1-17. Locked Rotor Protection	:	Automatic Restart Capability