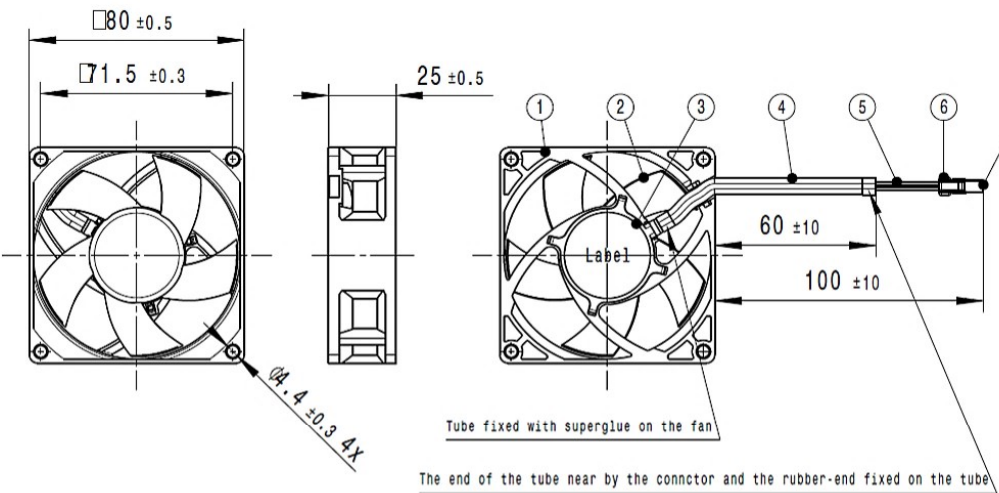


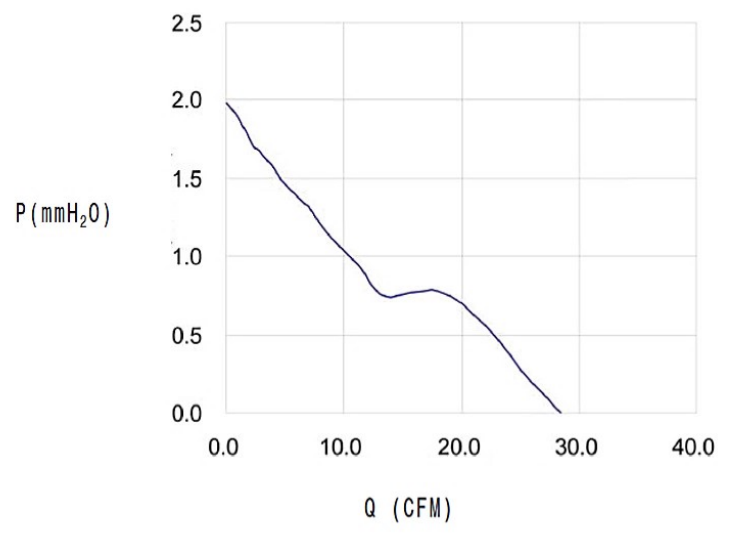
REV	DATE	DESCRIPTION	INIT
1	28.01.2020	created drawing	DM



General Specification

Rated Voltage	DC 12.0 V
Operating Voltage	DC 5.0 V - DC 13.8 V
Starting Voltage	DC 5.0 V (at 25°C power ON/OFF)
Pulse Power Operating	If duty cycle is 50%, the frequency should \geq 10Hz
Rated Current	0.12 A
Rated Power Consumption	1.44 W
Rotational Speed	2100 R.P.M. \pm 10 % (at 25°C, to record speed after fan running normal, this time about 3-5 minutes)
Air flow (at zero static pressure)	28.46 CFM (0.806m ³ /min) Min: 25.61 CFM (0.726m ³ /min)
Air pressure (at zero airflow)	1.98 mmH ₂ O (0.078 inchH ₂ O), Min: 1.60 mmH ₂ O (0.063 inchH ₂ O)
Noise Leve	23.1 dB(A) Max: 26.1 dB(A)
Live expectancy	70000hrs continous at 40°C, 15-65% relative humidity
Insulation resistance	Min 10Meg Ohm between internal stator and lead wire (+) at terminal
Dielectric strenght	5mA max at 600VAC 50Hz 1 second between frame and (+) terminal
Operating temperature and humidity	-20 to 70°C, 5% to 90% RH
Storage temperature and humidity	-40 to 70°C, 5% to 95% RH
Weight	87g
Bearing	Two ball bearing
Ingress protection rating	IP68

PQ curve: (Rated Voltage or Rated Voltage at 100% PWM if applied)



Bill of material

No.	Items	Description	Remarks
1	Frame	PBT94V0+30%GF	
2	Impeller	PBT94V0+30%GF	
3	Label	PET ϕ 32mm	
4	Tube	PVC ϕ 4.22*60mm	Transparent
5	Cable	UL 1007 AWG26	Red (+), Black (-)
6	Housing	JST 02R-JWPF-VSLE-S	White
7	Terminal	JST SNPR-001T-P025	PIN1 (+), PIN2 (-)

DRAWN BY DM		DATE 28.01.2020	MATERIAL see the BOM		DRAWING TITLE	
CHECKED BY CK		DATE 29.01.2020	SIZE A3	DRAWING NUMBER		REV 1
DESIGNED BY CK		DATE 27.01.2020	SCALE 1:2	WEIGHT (g) 89	SHEET 1/1	