

CUSTOMER : DRAWING FOR REFERENCE ONLY

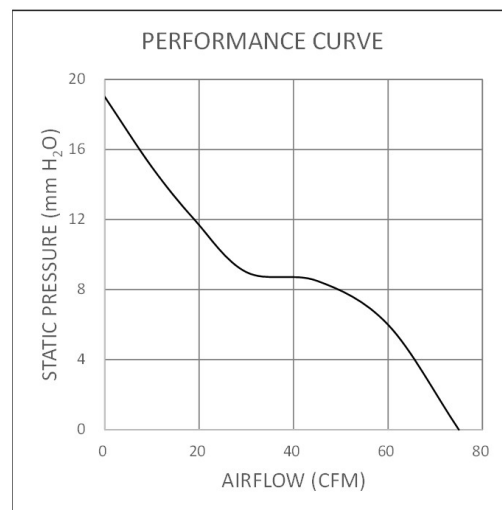
APPLICATION :

ITEM	DESCRIPTION
MOTOR TYPE	BRUSHLESS DC (4 POLES)
RATED VOLTAGE (V DC)	24
VOLTAGE RANGE (V DC)	20.4 ~ 27.6
CURRENT (A) ± 10%	0.28
INPUT POWER (W) ± 10%	6.72
SPEED (RPM) ± 10%	7400
MAX AIR FLOW (CFM)	75
MAX STATIC PRESSURE (mmH <sub>2</sub> O)	19.02
NOISE (dB)	46
NO OF BLADES	7
OPERATING TEMP. RANGE	-20°C TO +70°C
LIFE TIME (MTBF)	60,000 Hrs @ 60°C

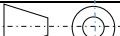

#### NOTES :

1. INSULATION RESISTANCE : MIN 10MΩ BETWEEN LEAD WIRE AND FRAME AT 500VDC
2. DI-ELECTRIC STRENGTH : <5mA BETWEEN FRAME AND WIRE AT 500 VAC/MIN
3. REVERSE POLARITY PROTECTION : YES
4. ROTOR LOCK PROTECTION: IMPEDANCE PROTECTION.
5. AUTO RESTART: YES
6. STORAGE TEMPERATURE : -30°C TO +70°C

NOTE: THIS DATASHEET IS FOR REFERENCE ONLY, FINAL DATASHEET WILL BE PROVIDED ALONG WITH SAMPLE SUBMISSION.

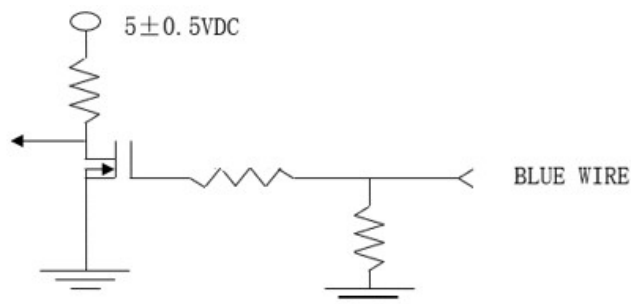


3	BEARING TYPE	2	BALL BEARING	MAINTENANCE FREE
2	IMPELLER	1	PBT (UL 94V-0)	BLACK
1	FRAME	1	PBT (UL 94V-0)	BLACK
SR. NO.	PART NAME	QTY	MATERIAL	REMARK

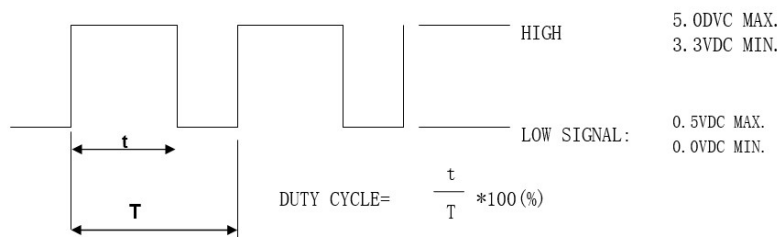
NOMENCLATURE		DC COOLING FAN NIS8025SHB-24VDC-P01		
SCALE : NTS	DATE	PREPARED BY	CHECKED BY	APPROVED BY
UNIT : mm		D KADAM	ASIF	RAJESH
MASS		<div>NISIKI</div> <div>INDIA PRIVATE LIMITED</div> <div></div>		
DRAWING NUMBER XXXX-XXX-XXX				

## PWM SIGNAL

### CONTROL CIRCUIT



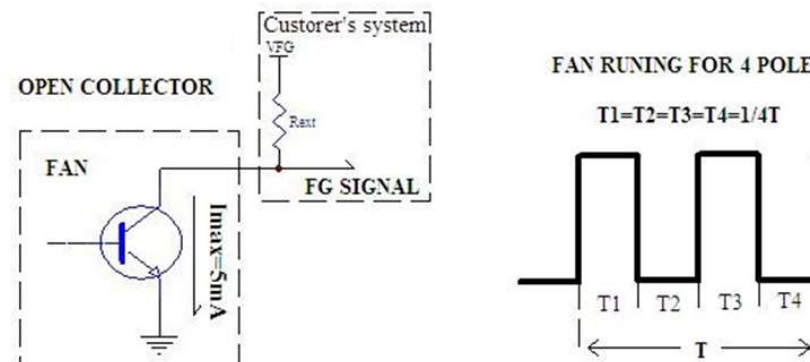
### SIGNAL



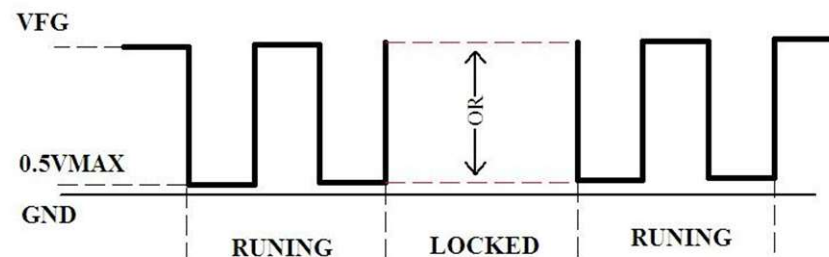
1. THE CONTROL SIGNAL FREQUENCY SHALL BE ABLE 16KHZ~32KHZ
2. THE PREFERRED OPERATING FREQUENCY IS 25KHZ
3. AT 100% DUTY CYCLE THE ROTOR WILL SPIN AT MAXIMUM SPEED
4. WITH CONTROL SIGNAL LEAD DISCONNECTED FAN WILL SPIN AT MAXIMUM SPEED

DUTY CYCLE %	SPEED RPM
100	7400 ± 10%
50	3700 ± 10%
0	0

## FG SIGNAL



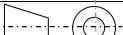

(FREQUENCY GENERATOR WAVEFORM) :



Note:

FG signal wire cannot contact with the "+" and "-" lead wire

When Fan is locking, the FG signal output voltage may be VFG or 0V (0.5Vmax)

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