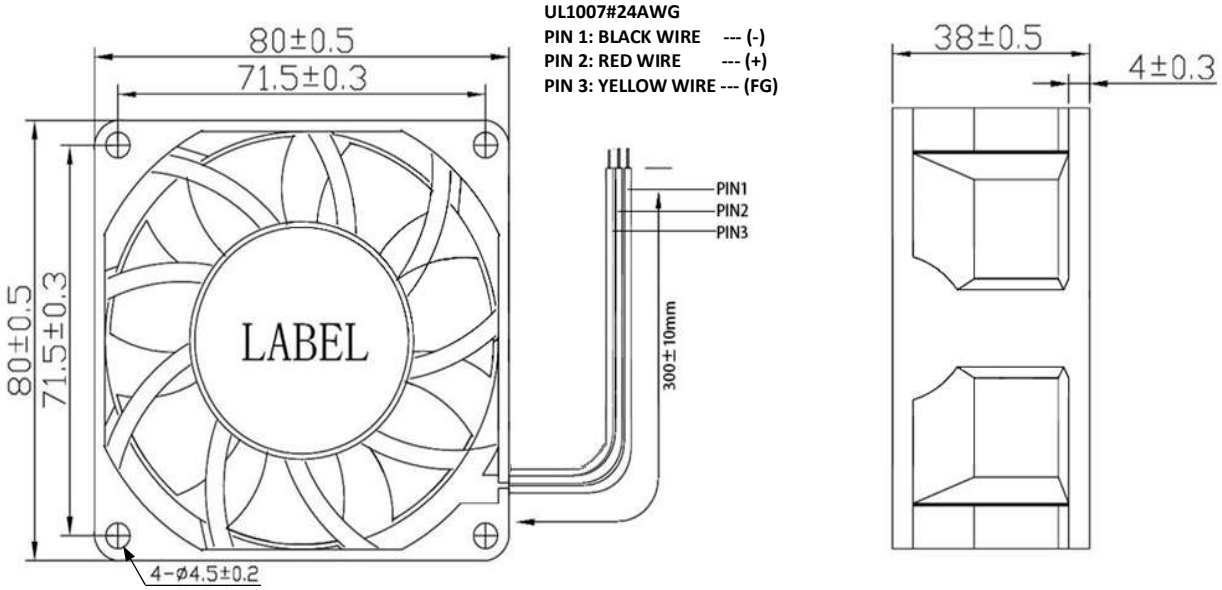
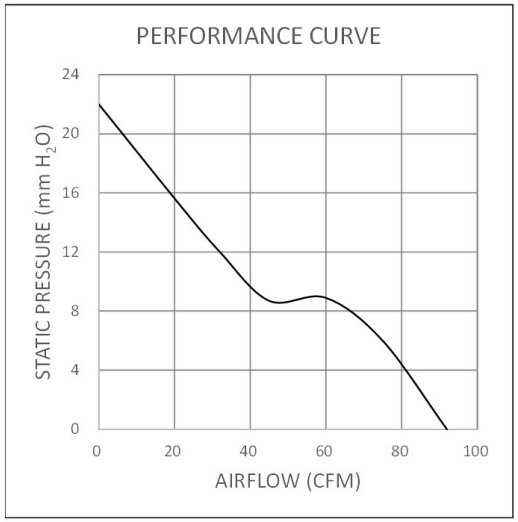
CUSTOMER : DRAWING FOR REFERENCE ONLY
APPLICATION :



ITEM	DESCRIPTION
MOTOR TYPE	BRUSHLESS DC (4 POLES)
RATED VOLTAGE (V DC)	24
VOLTAGE RANGE (V DC)	18 ~ 26.5
CURRENT (A) ± 10%	0.41
INPUT POWER (W) ± 10%	9.8
SPEED (RPM) ± 10%	6300
MAX AIR FLOW (CFM)	92
MAX STATIC PRESSURE (mmH_2O)	22
NOISE (dB)	50
NO OF BLADES	7
OPERATING TEMP. RANGE	-20˚C TO +70˚C
LIFE TIME (MTBF)	60,000 Hrs @ 60˚C

NOTES :

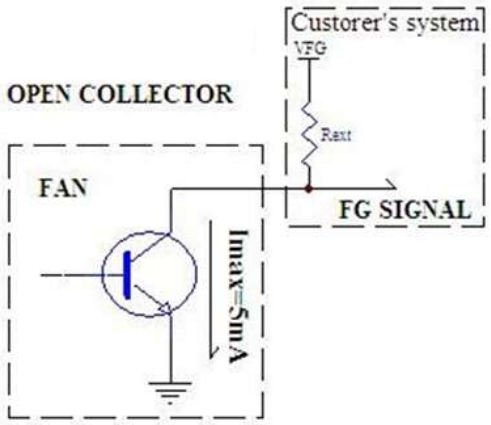
1. INSULATION RESISTANCE : MIN 10MΩ BETWEEN LEAD WIRE AND FRAME AT 500VDC
2. DI-ELECTRIC STRENGTH : <5mA BETWEEN FRAME AND WIRE AT 500 VAC/MIN
3. REVERSE POLARITY PROTECTION : YES
4. ROTOR LOCK PROTECTION: IMPEDANCE PROTECTION.
5. AUTO RESTART: YES
6. STORAGE TEMPERATURE : -30°C TO +70°C

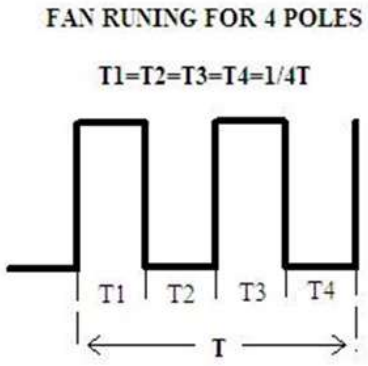


SR. NO.	PART NAME	QTY	MATERIAL	REMARK
3	BEARING TYPE	2	BALL BEARING	MAINTENANCE FREE
2	IMPELLER	1	PBT (UL 94V-0)	BLACK
1	FRAME	1	PBT (UL 94V-0)	BLACK

NOMENCLATURE		DC COOLING FAN NIS8038HB-24VDC-P11		
SCALE : NTS	DATE	PREPARED BY	CHECKED BY	APPROVED BY
UNIT : mm		D KADAM	ASIF	RAJESH
MASS: 169g approx		NISIKI INDIA PRIVATE LIMITED		
DRAWING NUMBER XXXX-XXX-XXX				

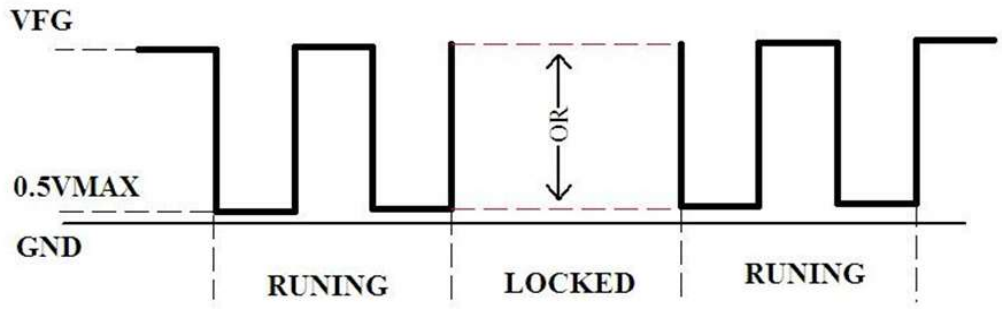
FG SIGNAL





VFG= 5-24 Vmax Rext (min) =VFG/Imax Imax=5mA Vce=0.5Vmax
N=RPM T=60/N(SEC) T1=T2=T3=T4=1/4T

(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)

Note:

- When fan is running, the switch of rotor N & S can make exchange of high and low levels. And faster the fan speed, the frequency of level exchange will be faster.
- So, we can sense fan's rotation speed via the signal of variational frequency.

NOMENCLATURE		DC COOLING FAN **NIS8038HB-24VDC-P11**		
SCALE : NTS	DATE	PREPARED BY	CHECKED BY	APPROVED BY
UNIT : mm		D KADAM	ASIF	RAJESH
MASS: 169g approx		NISIKI INDIA PRIVATE LIMITED		
DRAWING NUMBER **XXXX-XXX-XXX**				