

NMB SLEEVE BEARING 03510SS-05x (35[□] x 10[□])

NMBTC.COM / 248.919.2250

DC Axial Fans

General Specifications

Motor Protection:

Auto Restart/Polarity Protection

Insulation Resistance:

10M Ω or over with a DC500V Megger

Dielectric Withstand Voltage:

AC 700V 1s or AC 500V 1min

Allowable Ambient Temperature Range:

-10°C ~ +70°C (Operating)

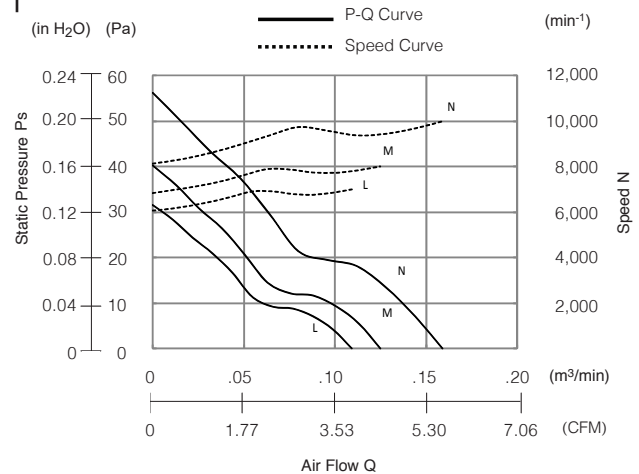
-40°C ~ +70°C (Storage)

(non-condensing environment)

Expected Life

40°C 30,000 Hours (L10)

Characteristic Curves



Material

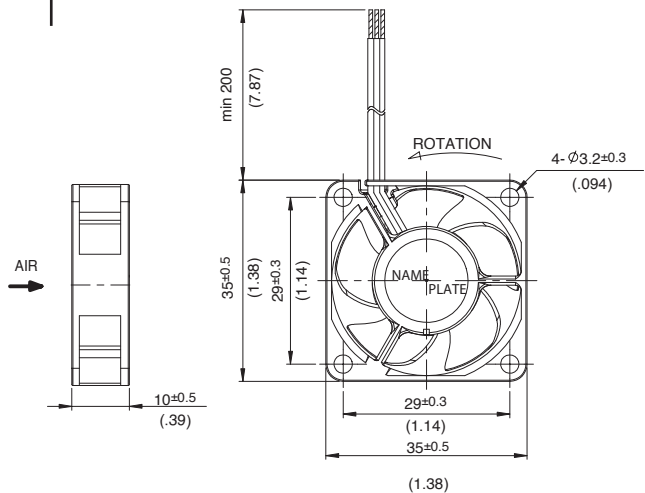
Casing : Plastic (Black) UL94V-0

Impeller : Plastic (Black) UL94V-0

Bearing : Sleeve Bearing

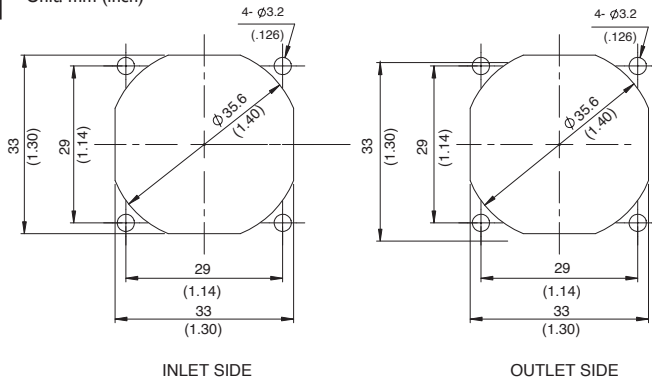
Lead Wire : UL1061, AWG26, +Red, -Black, (Tach) White

Outline

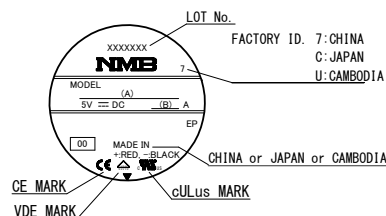


Panel Cut-Outs

Unit: mm (inch)



Name Plate



	(A)	(B)
Model Name	Current	
03510SS-05L-AT	0.13	
03510SS-05M-AT	0.16	
03510SS-05N-AT	0.28	

Specifications

MODEL	Rated Voltage	Operating Voltage	Current	Input Power	Speed	Max. Air Flow		Max. Static Pressure		Noise	Mass
	(V)	(V)	(A)*1	(W)*1	(min)*1	(CFM)	(m³/min)	(in H ₂ O)	(Pa)	(dB)*1	(g)
03510SS-05L-AT-00	5	4.5 ~ 5.5	0.08	0.40	7000	3.88	0.11	0.12	30.9	19.0	10.5
03510SS-05M-AT-00	5	4.5 ~ 5.5	0.12	0.60	8000	4.24	0.12	0.16	39.4	22.4	10.5
03510SS-05N-AT-00	5	4.5 ~ 5.5	0.20	1.00	10000	5.65	0.16	0.23	56.3	27.0	10.5

*1: Average Values in Free Air

Note: Locked Rotor/Tach Available

TACHO Specification

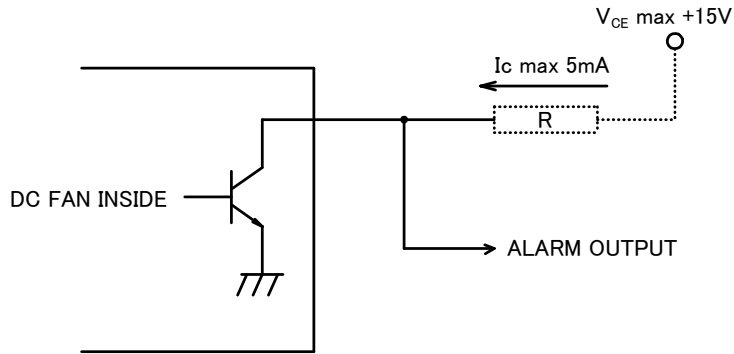
TACHOMETER SIGNAL

1. OUTPUT CIRCUIT : OPEN COLLECTOR SPECIFICATION

Absolute Maximum Ratings at $T_a=25^\circ\text{C}$

$V_{CE\text{ max}}$: +15V

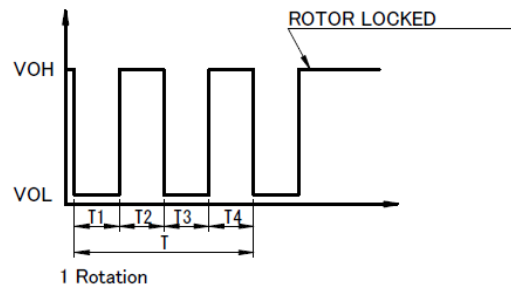
$I_c\text{ max}$: 5mA [$V_{CE(sat)\text{ max}} = 0.5\text{V}$]



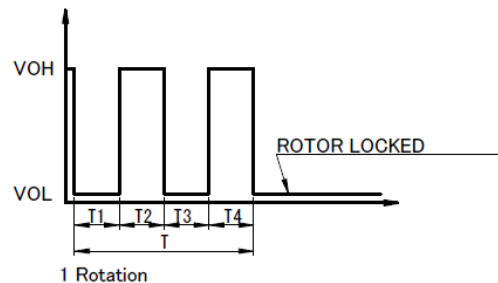
ALARM SIGNAL CIRCUIT

3. OUTPUT WAVEFORM : AT RATED VOLTAGE
OUTPUT SIGNAL VOLTAGE

3-1 Case-1



3-2 Case-2



- 1) When the rotor is locked at VOH position of signal, signal keeps VOH position.
- 2) When the rotor is locked at VOL position of signal, signal keeps VOL position.
- 3) $T = T1 + T2 + T3 + T4 = 60^\circ / m = 1\text{ rotation}$

$m : \text{min}^{-1}$

Tach Duty Cycle = $50\% \pm 10\%$