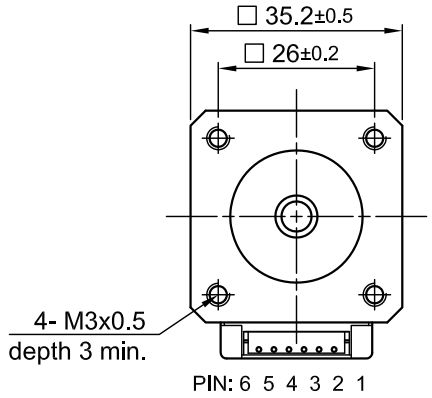
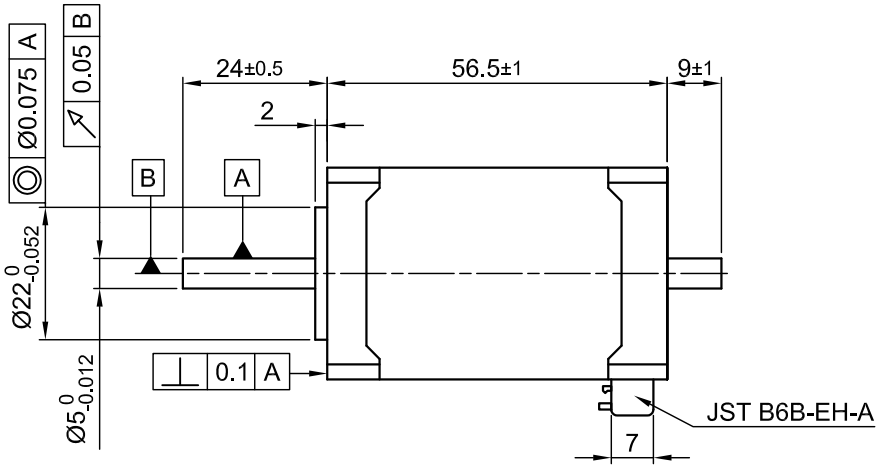
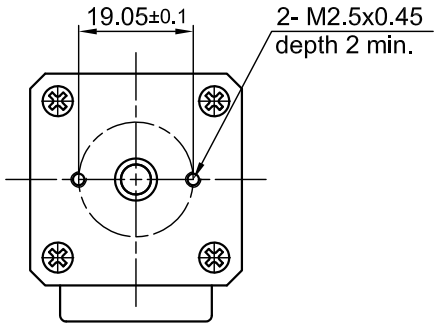
Front view and mounting



Side view

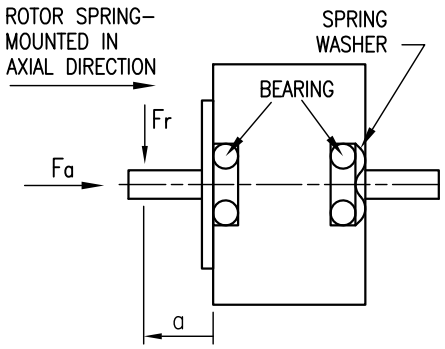


Rear view



SPECIFICATION \ CONNECTION	BIPOLAR SERIES
VOLTAGE (VDC)	4.56
AMPS/PHASE	1.2
RESISTANCE/PHASE (Ohms)@25°C	3.8±10%
INDUCTANCE/PHASE (mH) @1KHz	5.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.32 [2.832]
DETENT TORQUE (Nm) [lb-in]	TBD
STEP ANGLE (°)	1.8
ACCURACY (NON-ACCUM)	±5%
ROTOR INERTIA (Kg-m^2) [lb-in^2]	4.3x10^{-6} [0.015]
WEIGHT (Kg) [lb]	0.3 [0.7]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130° [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=7			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	58	36	26	20

	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

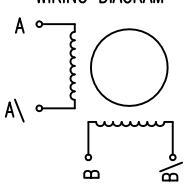
MOTOR	
CONNECTOR PIN NO.	WINDING
2	A
1(GND)	
3	A\
4	B
6(GND)	
5	B\

-PIN 1 AND PIN 6 CONNECT WITH HOUSING OF MOTOR

FULL STEP 2 PHASE-Ex.,
WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	
1	+	+	-	-	CCW
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	CW

WIRING DIAGRAM



REV	DESCRIPTION	DATE	DRN

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715

APVD	G.S.	22.04.15
CHKD		
DRN	A.S.	22.04.15
SIGNATURE		DATE

STEPPING MOTOR

DWG.NO
SC3518L1204-B