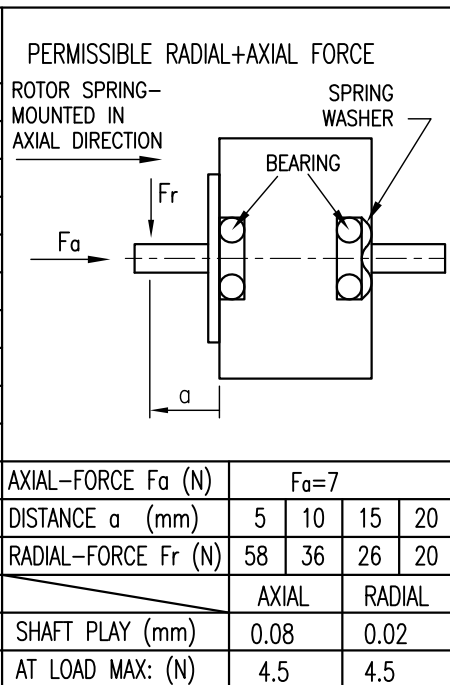


SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	5.3	7.5
AMPS/PHASE	0.7	0.49
RESISTANCE/PHASE (Ohms)@25°C	7.6±15%	15.2±15%
INDUCTANCE/PHASE (mH) @1KHz	6.8±20%	27.2±20%
HOLDING TORQUE (Nm) [lb-in]	0.16 [1.416]	0.226 [2.0]
DETENT TORQUE (Nm) [lb-in]	5.9x10 ⁻³ [5.222x10 ⁻²]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	3.8x10 ⁻⁶ [1.3x10 ⁻³]	
WEIGHT (Kg) [lb]	0.2 [0.44]	
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)		



TYPE OF CONNECTION (EXTERN)			MOTOR		
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1WINDING	SERIAL			
A ---	A ---	A ---	1	BRN	A
COM ---	COM ---	---	5	BLK	COM
A\ ---	---	A\ ---	3	ORG	A\
B ---	B ---	B ---	2	RED	B
COM ---	COM ---	---	6	WHT	COM
B\ ---	---	B\ ---	4	YEL	B\

for >speed ←
for <speed ←

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

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

WIRING DIAGRAM

2	change motor length	04.10.16	A.S.	Nanotec PLUG & DRIVE	APVD	<i>S.Ha.</i>	26.02.07	STEPPING MOTOR			
1	rework draw/change depth M2.5/M3/UL	09.02.16	A.S.		CHKD						
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>J.W.</i>	29.11.06	DWG.NO	ST4118S0706-B
							SIGNATURE	DATE			