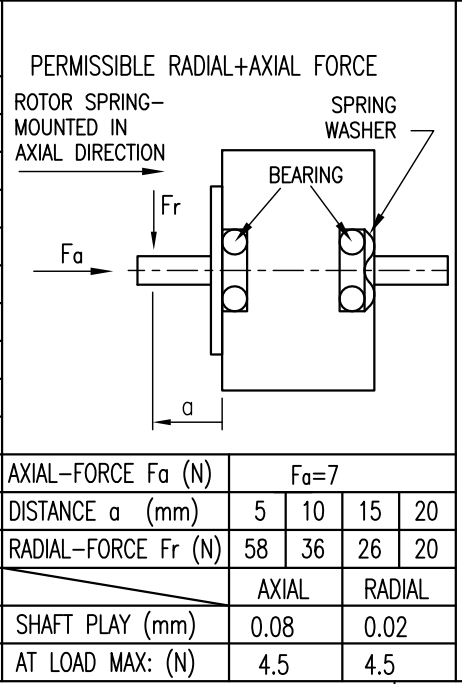


SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	4.0	5.6
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.3±15%	6.6±15%
INDUCTANCE/PHASE (mH) @1KHz	3.4±20%	13.6±20%
HOLDING TORQUE (Nm) [lb-in]	0.35 [3.1]	0.495 [4.381]
DETENT TORQUE (Nm) [lb-in]	1.37x10 <sup>-2</sup> [0.1212]	
STEP ANGLE (°)	1.8	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	8.2x10 <sup>-6</sup> [2.8x10 <sup>-2</sup> ]	
WEIGHT (Kg) [lb]	0.34 [0.75]	
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**

3	change motor length	01.06.16	A.S.				APVD	<i>S.Ha.</i>	26.02.07	<b>STEPPING MOTOR</b> DWG.NO ST4118L1206-A	
2	rework draw/change depth M3	10.02.16	A.S.				CHKD				
1	INDUCTANCE+UL NO.	28.01.10	J.W.	Surface specification	General tolerances	Work piece edge	DRN	<i>J.W.</i>	29.11.06	SIGNATURE      DATE	
REV	DESCRIPTION	DATE	DRN	DIN ISO 1302	DIN ISO 2768- cH	DIN ISO 13715					