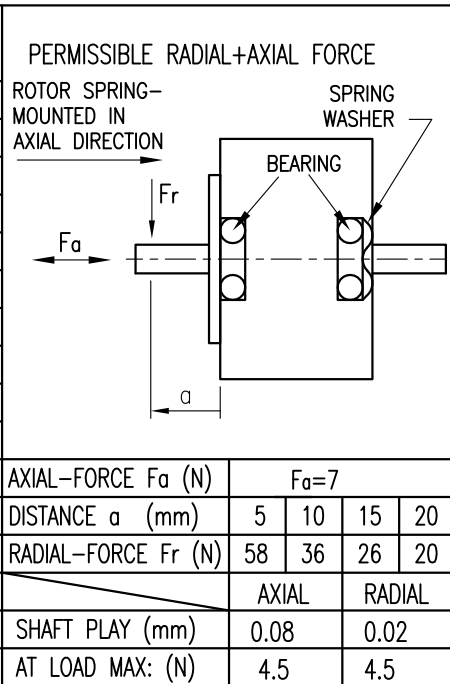


SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIAL
VOLTAGE (VDC)	3.7	5.27
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.1±15%	6.2±15%
INDUCTANCE/PHASE (mH) @1KHz	2.9±20%	11.6±20%
HOLDING TORQUE (Nm) [lb-in]	0.28 [2.478]	0.396 [3.505]
DETENT TORQUE (Nm) [lb-in]	9.8x10 <sup>-3</sup> [8.673x10 <sup>-2</sup> ]	
STEP ANGLE (°)+ ACCURACY	1.8±5%	
BACK-EMF (V) (300 U/min)	10.9 $\Delta$	
ROTOR INERTIA (Kg-m <sup>2</sup> ) [lb-in <sup>2</sup> ]	5.7x10 <sup>-6</sup> [1.95x10 <sup>-2</sup> ]	
WEIGHT (Kg) [lb]	0.24 [0.53]	
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
1	+	+	-	-	↓ ↑ CW
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

WIRING DIAGRAM

				SCALE FREE	APVD	<i>S.Ha.</i>	26.02.07	<b>STEPPING MOTOR</b> DWG.NO ST4118M1206
1	VALUE OF BACK-EMF+UL NO.			20.06.11	LB	X ±0.5	CHKD	
REV	DESCRIPTION	DATE	APVD	ST4118M1206	1PL ±0.2	DRN	<i>J.W.</i>	29.11.06
					2PL ±0.1	SIGNATURE	DATE	
					ANGLE ±30'			