



SPECIFICATION	CONNECTION	
	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR SERIES
VOLTAGE (VDC)	3.96	5.61
AMPS/PHASE	1.2	0.85
RESISTANCE/PHASE (Ohms)@25°C	3.3±15%	6.6±15%
INDUCTANCE/PHASE (mH) @1KHz	4.0±20%	16±20%
HOLDING TORQUE (Nm) [lb-in]	0.25 [2.213]	0.354 [3.133]
STEP ANGLE (°)	0.9	
STEP ACCURACY (NON-ACCUM)	±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]	5.4x10 ⁻⁶ [0.0184]	
WEIGHT (Kg) [lb]	0.28 [0.62]	

PERMISSIBLE RADIAL+AXIAL FORCE	
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION	
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)	0.075 0.025
AT LOAD MAX: (N)	10 5.0

TYPE OF CONNECTION (EXTERN)		MOTOR			
UNIPOLAR	BIPOLAR		CONNECTOR PIN NO.	LEADS	WINDING
	1WINDING	SERIES			
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 tol./revise draw.	16.05.17	A.S.				APVD	S.Ha.	26.02.07	STEPPING MOTOR
1	MOTOR LENGTH+UL NO.	09.11.09	J.W.				DRN	J.W.	29.06.06	
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- ch	Work piece edge DIN ISO 13715	SIGNATURE	DATE		ST4209M1206-B