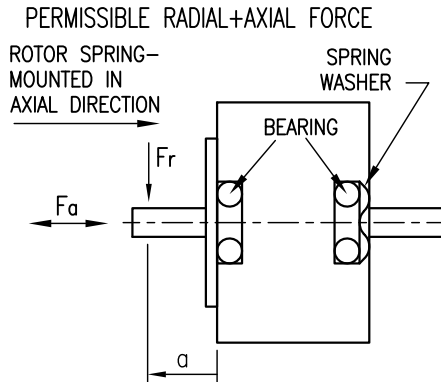


SPECIFICATION	CONNECTION	UNIPOLAR OR BIPOLAR-1 WINDING		BIPOLAR	
		SERIAL	PARALLEL	SERIAL	PARALLEL
VOLTAGE (VDC)	2.7				
AMPS/PHASE	4.5	3.18	6.36		
RESISTANCE/PHASE (Ohms)@25°C	0.6±15%	1.2±15%	0.3±15%		
INDUCTANCE/PHASE (mH) @1KHz	1.9±20%	7.6±20%	1.9±20%		
HOLDING TORQUE (Nm) [lb-in]	2.5 [22.12]	3.6 [31.86]	3.6 [31.86]		
DETENT TORQUE (Nm) [lb-in]		0.12 [1.062]			
STEP ANGLE (°)	1.8				
STEP ACCURACY (NON-ACCUM)	± 5%				
ROTOR INERTIA (Kg-m²) [lb-in²]	1.0x10 <sup>-4</sup> [0.342]				
WEIGHT (Kg) [lb]	1.7 [3.75]				
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)					
AMBIENT TEMPERATURE -20~ 50°C [-4°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)					

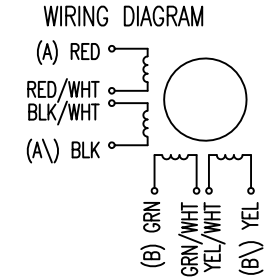


	AXIAL-FORCE Fa (N)			
	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200
	AXIAL	RADIAL		
SHAFT PLAY (mm)	0.075	0.025		
AT LOAD MAX: (N)	10	5.0		

UNIPOLAR	TYPE OF CONNECTION (EXTERN)			MOTOR	
	1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	LEADS	WINDING
A	A	A	A	RED	A
COM				RED/WHT	
A\		A\	A\	BLK/WHT	A\
B	B	B	B	BLK	B
COM				GRN	
B\		B\	B\	GRN/WHT	B\
				YEL/WHT	
				YEL	

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

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



4	REMOVE TEXT	04.03.15	A.S.
3	NEW VALUES+TOLERANCE	11.08.11	J.W.
2	NEW VALUES	27.10.08	J.W.
REV	DESCRIPTION	DATE	APVD



ST8918S4508-A

SCALE FREE	APVD	S.H.	01.04.08
X ±0.5	CHKD		
1PL ±0.2	DRN	J.W.	01.04.08
2PL ±0.1	SIGNATURE		
ANGLE ±30'			

STEPPING MOTOR

DWG.NO ST8918S4508-A