

SPECIFICATION	UNIPOLAR OR BIPOLAR-1 WINDING	BIPOLAR	
		SERIES	PARALLEL
AMPS/PHASE	2.0	1.41	2.82
RESISTANCE/PHASE (Ohms)@25°C	1.5±10%	3.0±10%	0.75±10%
INDUCTANCE/PHASE (mH) @1KHz	2.6±20%	10.4±20%	2.6±20%
SPINDLE PITCH (mm) [in]	2 [0.078]		
THRUST (N) (lbf)	800 [180]	▲ ▲	
RESOLUTION (mm/FULLSTEP)	0.01		
STATIC THRUST (NO CURRENT)	▲ ▲		
MAX. SPEED (mm/sec.) at 48V	70	▲	
MAX. SPEED WITH MAX. THRUST (mm/sec.)	20	▲	
WEIGHT (Kg) [lb]	0.85 [1.87]		
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)			

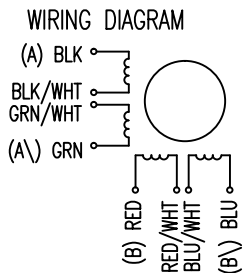
Please regard the application note at www.nanotec.com for further informations.

Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)				MOTOR		
UNIPOLAR	BIPOLAR 1WINDING	BIPOLAR SERIAL	BIPOLAR PARALLEL	CONNECTOR PIN NO.	LEADS	WINDING
A —	A —	A —	A —	1	BLK	A
COM —	A —	□	□	3	BLK/WHT	
A \		□	□	2	GRN/WHT	
B —	B —	B —	B —	4	GRN	A \
COM —	B —	□	□	5	RED	B
B \		□	□	7	RED/WHT	
				6	BLU/WHT	
				8	BLU	B \

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

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



4	3-M2 DEPTH	14.08.15	GYQ
3	ADD TOLERANCE OF B-SHAFT	28.04.15	GYQ
2	UPDT. DATA	13.11.14	GYQ
REV	DESCRIPTION	DATE	APVD



L5918S2008-T10x2-A50

SCALE	APVD	DATE
FREE	G.S.	13.11.14
X ±0.5	CHKD ZYL	24.05.10
1PL ±0.2	DRN GYQ	24.05.10
2PL ±0.1	SIGNATURE	DATE
ANGLE ±30'		

LINEAR AKTUATOR	
DWG.NO	L5918S2008-T10x2-A50