

SPECIFICATION	
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	1.75±15%
INDUCTANCE/PHASE (mH) @1KHz	3.3±20%
SPINDLE PITCH (mm) [in]	5 [0.197]
THRUST (N) [lbf]	250 [49.46]
RESOLUTION (mm/FULLSTEP)	0.025
STATIC THRUST (N) [lbf] (NO CURRENT)	40
MAX. SPEED (mm/sec.) AT 48V	250
MAX. SPEED WITH MAX. THRUST (mm/sec.) AT 48V	70
WEIGHT (Kg) [lb]	0.54 [1.19]
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.

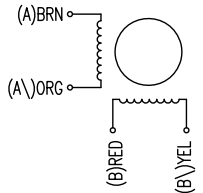
Shaft play is adjustable at the motor.

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	WINDING	
1	A —	BRN	A	
2	A \ —	ORG	A \	
3	B —	RED	B	
4	B \ —	YEL	B \	

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

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

WIRING DIAGRAM



						SCALE FREE	APVD	S.R.	04.11.10	LINEAR ACTUATOR DWG.NO
						X ±0.5	CHKD			
						1PL ±0.2	DRN	J.W.	04.11.10	L4118L1804-T5x5-A50
REV	DESCRIPTION	DATE	APVD	L4118L1804-T5x5-A50		2PL ±0.1	SIGNATURE	DATE		
						ANGLE ±30'				