

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]
TRUST (N) [lbf]	250 [49.46] ⚠
RESOLUTION (mm/STEP)	0.025
STATIC TRUST (N) [lbf] (NO CURRENT)	40 ⚠
MAX. SPEED (mm/sec.) AT 48V	250 ⚠
MAX. SPEED WITH MAX. TRUST (mm/sec.) AT 48V	70 ⚠
WEIGHT (Kg) [lb]	0.34 [0.75]
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 noten at [www.nanotec.com](http://www.nanotec.com) for further informations. ⚠

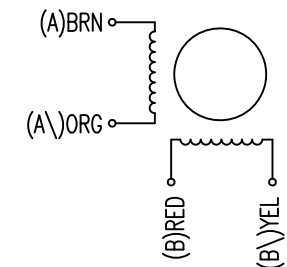
Shaft play is adjustable at the motor.

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\		CCW
1	+	+	-	-		
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

WIRING DIAGRAM



REV	DESCRIPTION	DATE	APVD
1	NEW VALUES AND NOTE	06.05.10	J.W.



L4118L1804-T5x5

SCALE	FREE	APVD	S.H.	DATE
X	±0.5	CHKD		04.06.09
1PL	±0.2	DRN	J.W.	04.06.09
2PL	±0.1	SIGNATURE	DATE	
ANGLE	±30'			

LINEAR ACTUATOR

DWG.NO

L4118L1804-T5x5