

SPECIFICATION	
AMPS/PHASE	1.8
RESISTANCE/PHASE (Ohms)@25°C	1.1±15%
INDUCTANCE/PHASE (mH) @1KHz	1.85±20%
SPINDLE PITCH (mm) [in]	1 [0.039]
TRUST (N) [lbf]	250 [56.2]
RESOLUTION (mm/STEP)	0.005
STATIC TRUST (N) [lbf] (NO CURRENT)	350 [78.68] ⚠
MAX. SPEED (mm/sec.) AT 48V	50 ⚠
MAX. SPEED WITH MAX. TRUST (mm/sec.) AT 48V	20 ⚠
WEIGHT (Kg) [lb]	0.24 [0.53]
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)	

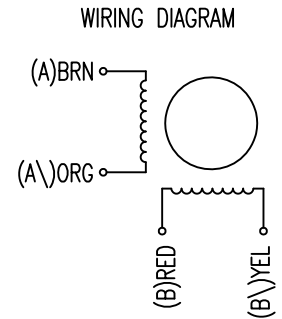
Please regard the application noten at [www.nanotec.com](http://www.nanotec.com) for further informations. ⚠

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	+	-	-	+		



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

**Nanotec**  
PLUG & DRIVE

L4118M1804-T6x1

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

**LINEAR ACTUATOR**

DWG.NO L4118M1804-T6x1