

SPECIFICATION	
AMPS/PHASE	1.4
RESISTANCE/PHASE (Ohms)@25°C	2.0±15%
INDUCTANCE/PHASE (mH) @1KHz	3.6±20%
SPINDLE PITCH (mm) [in]	2 [0.079]
THRUST (N) [lbf]	200 [44.97]
RESOLUTION (mm/FULLSTEP)	0.010
STATIC THRUST (N) [lbf] (NO CURRENT)	300 [67.46]
MAX. SPEED (mm/sec.) AT 48V	50
MAX. SPEED WITH MAX. THRUST (mm/sec.) AT 48V	30
WEIGHT (Kg) [lb]	0.35 [0.77]
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.

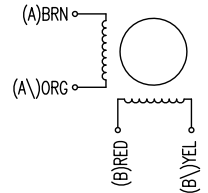
Shaft play is adjustable at the motor.

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 \	

WIRING DIAGRAM

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

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



				Nanotec PLUG & DRIVE		SCALE FREE	APVD	S.R.	04.11.10	LINEAR ACTUATOR	
				X ±0.5	1PL ±0.2	CHKD				DWG.NO	
				2PL ±0.1	ANGLE ±30'	DRN	J.W.	04.11.10		L4118S1404-T6x2-A25	
REV	DESCRIPTION	DATE	APVD	L4118S1404-T6x2-A25		SIGNATURE		DATE			