

SPECIFICATION	
AMPS/PHASE	0.67
RESISTANCE/PHASE (Ohms)@25°C	$9.2 \pm 15\%$
INDUCTANCE/PHASE (mH) @1KHz	$7.2 \pm 20\%$
SPINDLE PITCH (mm) [in]	$5 [0.197]$
THRUST (N) [lbf]	$60 [13.48]$
RESOLUTION (mm/FULLSTEP)	0.025
STATIC THRUST (N) [lbf] (NO CURRENT)	17
MAX. SPEED (mm/sec.) AT 48V	140
MAX. SPEED WITH MAX. THRUST (mm/sec.) AT 48V	50
WEIGHT (Kg) [lb]	$0.34 [0.75]$
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
AMBIENT TEMPERATURE $-10^{\circ} \sim 50^{\circ} \text{C}$ [$14^{\circ} \text{F} \sim 122^{\circ} \text{F}$]	
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.

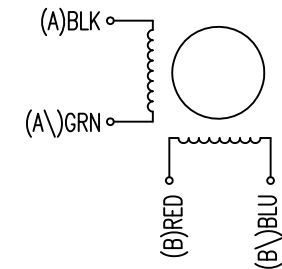
Shaft play is adjustable at the motor.

TYPE OF CONNECTION (EXTERN)	MOTOR			
	PIN NO	BIPOLAR	LEADS	WINDING
1	A —	BLK	A	
2	A \ —	GRN	A \	
3	B —	RED	B	
4	B \ —	BLU	B \	

WIRING DIAGRAM

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

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



REV	DESCRIPTION	DATE	DRN	SCALE FREE		APVD	S.R.	DATE	LINEAR ACTUATOR	
1	new-depth thread M2.5	20.08.15	A.S.	X	± 0.5	CHKD			DWG.NO	
				1PL	± 0.2	DRN	J.W.	02.11.10	L2818L0604-T5x5-A25	
				2PL	± 0.1	SIGNATURE		DATE		
				ANGLE	$\pm 30'$					



L2818L0604-T5x5-A25